

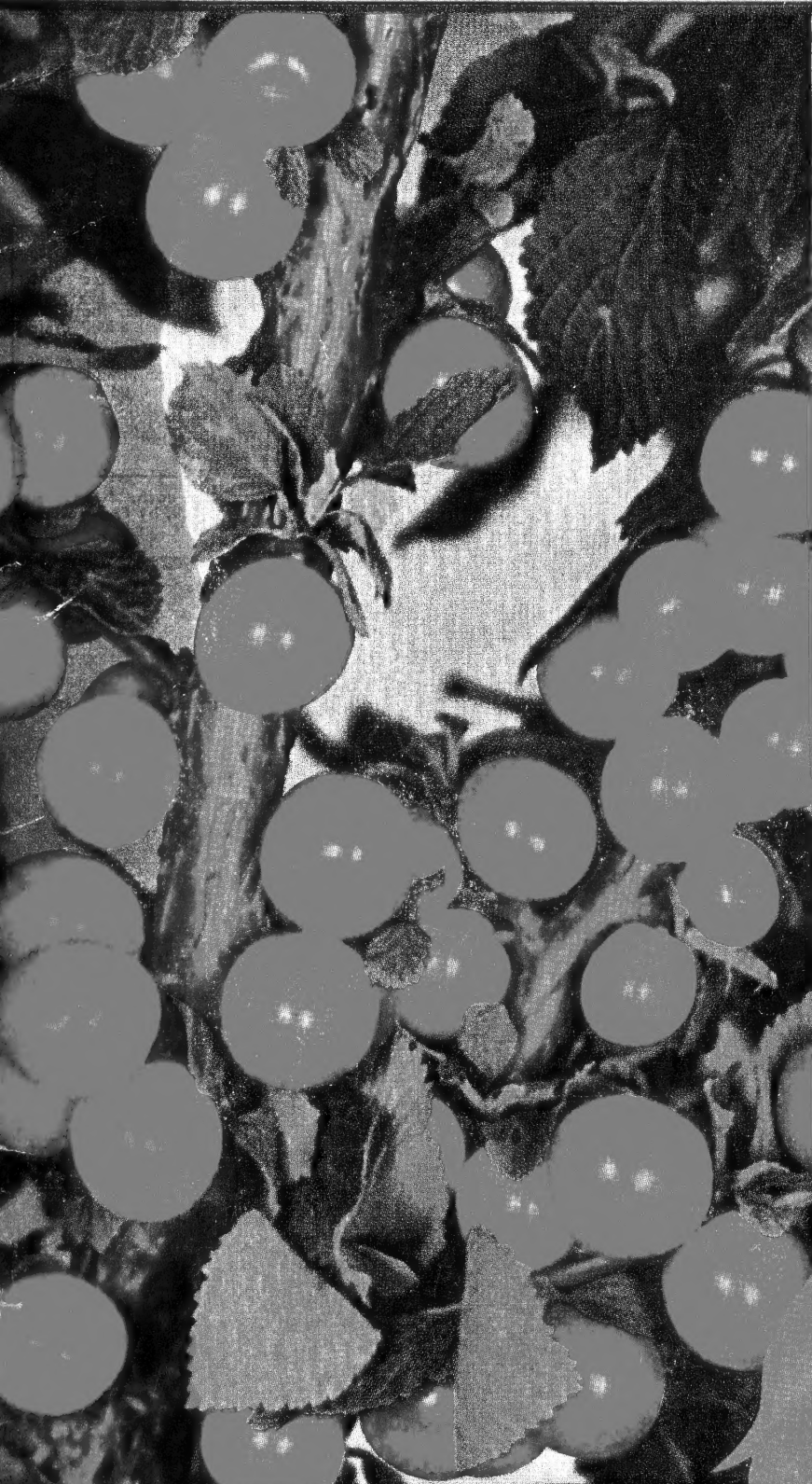
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U.S. DEPT. OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

Farmer SEED and NURSERY CO.

FARIBAULT, MINNESOTA



IMPROVED NANKING CHERRY—Loads of luscious fruit by mid-July! Make tasty pies, jell, preserves. Bushes grow 7 ft. high—bloom profusely—often bear 2nd year. Avoid planting seedlings—fruit is inferior. We offer BUDDED STOCK, the best Minn. Experiment Station varieties. Plant 2 or more to insure pollination.
2-3 ft. size \$1.35 each, 3-4 ft. size \$1.75 each by Exp. not ppd.

PARADISE ASPARAGUS

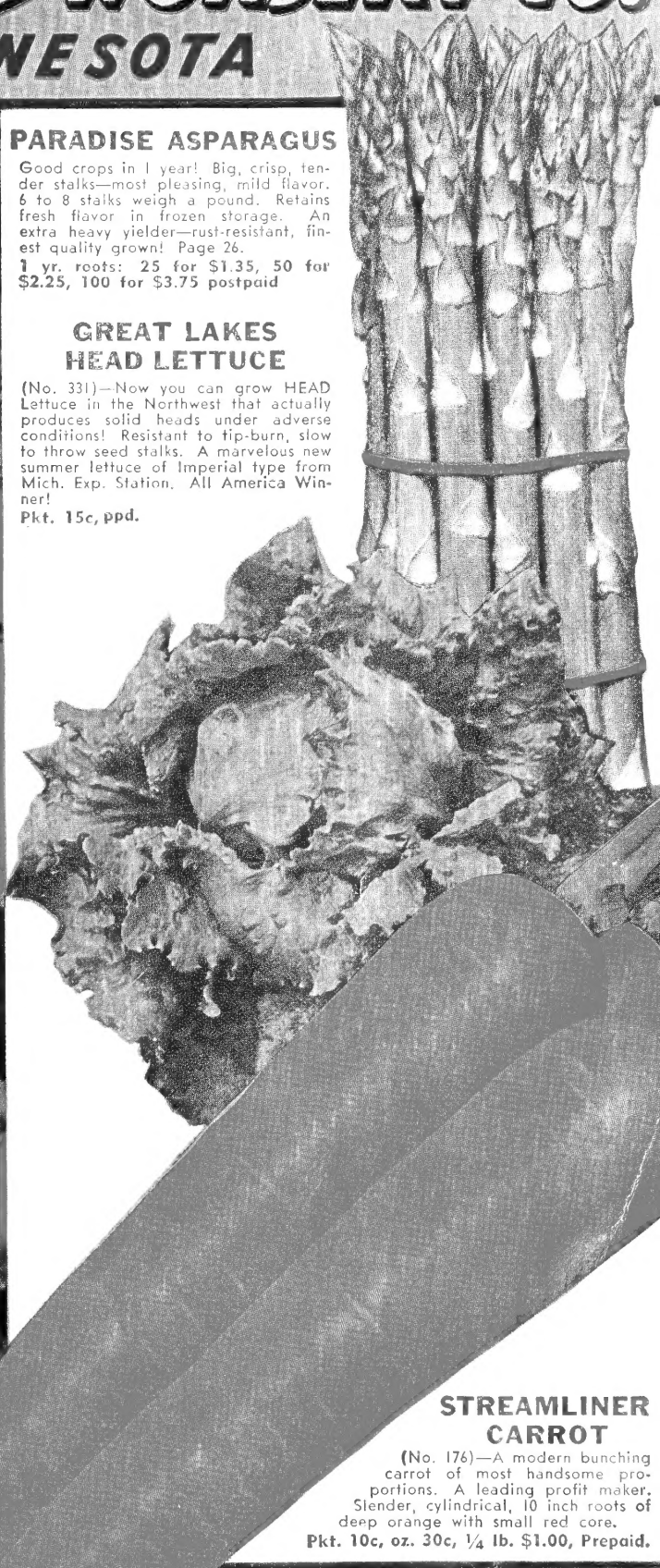
Good crops in 1 year! Big, crisp, tender stalks—most pleasing, mild flavor. 6 to 8 stalks weigh a pound. Retains fresh flavor in frozen storage. An extra heavy yielder—rust-resistant, finest quality grown! Page 26.

1 yr. roots: 25 for \$1.35, 50 for \$2.25, 100 for \$3.75 postpaid

GREAT LAKES HEAD LETTUCE

(No. 331)—Now you can grow HEAD Lettuce in the Northwest that actually produces solid heads under adverse conditions! Resistant to tip-burn, slow to throw seed stalks. A marvelous new summer lettuce of Imperial type from Mich. Exp. Station. All America Winner!

Pkt. 15c, ppd.



STREAMLINER CARROT

(No. 176)—A modern bunching carrot of most handsome proportions. A leading profit maker. Slender, cylindrical, 10 inch roots of deep orange with small red core.

Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, Prepaid.

1945 catalog

Make Your Yard a WONDERLAND

1945 Wonderland Collection

- 2 Purple Heart Cherries.....4 to 5 ft. size
- 2 Pollinator Bush Cherries.....18 to 24 inch size
- 1 New Moonbeam Grape.....1 yr. size
- 1 New Red Amber Grape.....1 yr. size

6 PLANTS (listed above)
VALUE \$6.70 By Exp:

Delicious Cherries

Big flavorful hybrid cherries with juicy purple-red flesh—delicious eaten fresh — superb for canning. Make tasty pies, sauce, preserves of distinctive flavor and appearance. Heavy loads of luscious fruit every year. Trees often bear second year, and survive 40 below winters. Fruit is wine-red, thin skinned, of improved Sapa type and ripens early in August. Yields best when pruned to bush form 6-7 ft. high. Plant with Super Pollinator Cherry (see below).

DELICIOUS JAM RECIPE
 Cover cherries with water, add 1½ teaspoons soda, boil till skins break, drain through colander, remove pits. Add sugar pound for pound. To a moderate sized kettleful, add one tablespoonful of vinegar, boil until thick. Put in jars and seal.

PURPLE HEART CHERRIES: 3-4 ft. size \$1.49 each, 4-5 ft. size \$1.75 each; 5-7 ft. size \$1.98 each, by Exp. not Ppd.

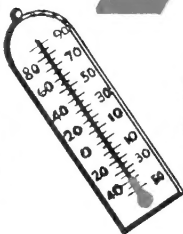
SUPER POLLINATOR BUSH CHERRY

Midget sensations of radiant bloom! Fruit makes good preserves. The most effective pollinizer known. Plant at least two in the yard to insure big crops from your Purple Heart trees!

2 POLLINATORS: 18-24 in. transplants \$1.30 not ppd.



2 New HARDY GRAPES



STAND 40 BELOW — NO WINTER COVER!

(From Minnesota State Fruit Breeding Farm)

NEW MOONBEAM

Heavy clusters of big, luscious, golden-green grapes with unusually SWEET, MILD FLAVOR on vigorous vines with attractive foliage. The ideal arbor plant! Imagine growing these full-sized grapes of superb dessert quality—even in Northern Minnesota without the bother of winter cover. Rivals California's finest.

1 yr. old plants 95c Each Ppd.

NEW RED AMBER

A delicious new red grape of very sweet and rather spicy flavor. Its quality compares with the best New York varieties—its distinctive flavor can't be beat! Yet, you can grow New Red Amber in the most severe climate without winter protection. Truly an outstanding achievement of Minnesota's Experiment Station.

1 yr. old plants 95c Each Ppd.

Moonbeam

Red Amber

BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold; bags included in weight.

THE FARMER SEED & NURSERY CO. desires satisfaction for every customer. Complaints, if justified, will be adjusted to the amount remitted. However, since the results from seeds, trees, bulbs, or plants are subject to hazard of weather, climate, soil and cultural practices, over which we have no control, THE FARMER SEED & NURSERY CO. will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed. If the purchaser does not accept goods on these terms, they are to be returned at once. All prices are F. O. B. Faribault.

FARMER SEED & NURSERY CO. FARIBAULT, MINN. Jan. 15, 1945

ABOUT CEILING PRICES

Maximum Price Regulation No. 471 (Legume & Grass Seeds), effective September 29, 1943, govern Alfalfa, Medium Red and Mammoth Red Clover, Alsike Clover, Sweet Clover and Timothy Seed.

Processed seeds are priced on the basis of quality specifications customary of the seed trade to comply with Federal and State Laws.

Up to the present time, Seed Potatoes and certain Vegetable Seeds are so under maximum Price Regulations.

All of our prices have been set strictly in accordance with these Regulations and wherever possible we have quoted below ceiling prices.

YOUR PATIENCE WILL BE APPRECIATED

We have done everything within our power to obtain sufficient seed stocks to supply your needs. Many items are very short however, and some items are impossible to obtain. Should it develop that we are unable to supply a part of your requirements, please be tolerant, and remember that we have done our very best to serve you.

NO CASH-ON-DELIVERY PAYMENT ORDERS WILL BE ACCEPTED. Our hands are so great and stocks move so rapidly it is impossible to accept cash-on-delivery payment orders for deferred shipment.

OUR SPECIAL

LOT "POWER" HYBRID CORN

This "Special Lot" has exactly the same inheritance, purity, and germination as our No. 1 Registered Seed. It consists of the thick kernels, graded from our Registered Hybrids. These "thicks" are evenly graded, and germinate 90% or better. Nothing finer for drilling, for silage, or for "hogging off." Use your medium or small plates.

A properly proportioned blend of selected varieties which has proven very popular. These blends provide maximum insurance against periods of adverse weather, since there is enough variation in maturity so that only a part of the crop reaches a critical period of growth at any one time.

Group A—Early Maturity Blend (Range 85-100 days)

Group B—Later Maturity Blend (Range 105-115 days)

Your
Choice,
Either
Group
\$3.75
Per Bu.

ORDER EARLY!

Seed is the foundation of food. Many items are short this year. Transportation service is somewhat slower, due to tremendous war shipments. Therefore, we strongly urge that you order early! We will do our part to provide the quickest service in our power to supply.

MINNESOTA-GROWN CLOVER

MASTER-HARDY—FREE FROM NOXIOUS WEEDS

Medium Red and Mammoth Clover limited to 120 lbs. per

	Purity	Peck	Bu.	100 Lbs.
MEDIUM RED CLOVER				
Master Farmer, Minn. Grown.....	99.25	\$ 6.80	\$26.40	\$44.00
Master Farmer, Idaho Grown.....	99.50	7.20	27.90	46.50
Fancy Minn. Grown.....	98.00	6.60	25.50	42.50
MAMMOTH CLOVER				
Master Farmer.....	99.25	6.90	26.70	44.50
WHITE DUTCH CLOVER				
Fancy.....	98.00	14.40	57.00	95.00
ALSIKE CLOVER				
Master Farmer.....	98.00	6.30	24.30	40.50
BIENNIAL SWEET CLOVER				
Master Farmer.....	99.50	3.00	11.25	18.50
Yellow Blossom.....	99.50	3.00	11.25	18.50
SWEET CLOVER, YEL. BLOS. (DWARF)				
Master Farmer.....	99.50	3.15	11.70	19.50
SWEET CLOVER, HUBAM ANNUAL WHITE				
Fancy.....	98.00	3.90	14.70	24.50

ALFALFAS—U. S. VERIFIED ORIGIN

(Registered and State Sealed Grimm is put in 30-lb. and 60-lb. bags.)

NOTE—Alfalfa Seed Sales Limited to 120 lbs. per Customer.

	Purity	Peck	Bu.	100 Lbs.
Prices include sacks				
DAKOTA NO. 12, MONTANA				
Master Farmer.....	99.25	\$ 7.85	\$30.60	\$51.00
DAKOTA NO. 12, NORTH DAKOTA				
Master Farmer.....	99.25	7.85	30.60	51.00
GRIMM, MONTANA REGISTERED	99.50	8.90	34.80	58.00
VARIEGATED, MONTANA				
Master Farmer.....	99.25	7.95	30.90	51.50
COSSACK, MONTANA				
Master Farmer.....				(Not Available)
COSSACK, MONTANA REGISTERED				(Not Available)
LADAK, MONTANA				
Master Farmer.....	99.25	7.85	30.60	51.00
LADAK, MONTANA REGISTERED	99.50	8.90	34.80	58.00

HARDY GRASSES

	Purity	25 Lbs.	50 Lbs.	100 Lbs.
Prices include sacks				
TIMOTHY				
Master Farmer.....	99.50	\$ 2.50	\$ 4.65	\$ 9.00
Fancy.....	99.00	2.35	4.40	8.75
TIMOTHY & ALSIKE MIXTURE				
20-25% Alsike.....	4.75	9.15	18.00	
30-35% Alsike.....	5.60	10.90	21.50	
BROME GRASS—MASTER FARMER				
CERTIFIED, Canadian Grown.....	5.75	11.15	22.00	
Canadian No. 1.....	5.50	10.65	21.00	
RED CANARY GRASS				
Master Farmer.....	10.25	20.15	40.00	
CRESTED WHEAT GRASS				
Canadian No. 1.....	5.50	10.65	19.00	

	25 Lbs.	50 Lbs.	100 Lbs.
Prices include sacks			
DOMESTIC RYE GRASS			
Master Farmer.....	\$ 4.00	\$ 7.65	\$15.00
KENTUCKY BLUE GRASS			
Master Farmer.....	8.75	17.15	34.00
MEADOW FESCUE			
Master Farmer.....	9.00	17.65	35.00
RED TOP			
Master Farmer.....	5.50	10.65	21.00
MASTER "A" MIXTURE			
(All Season Mixture for heavy soils).....	8.35	16.40	32.50
MASTER "C" MIXTURE			
(Brome-Alfalfa, etc.).....	8.00	15.65	31.00
MASTER "D" MIXTURE			
(Brome-Crested Wheat, etc.).....	8.00	15.65	31.00
MASTER "E" MIXTURE			
(Brome-Meadow Fescue, etc.).....	8.60	16.90	33.50
MASTER "H" MIXTURE			
(Annual Hog Pasture).....	2.70	5.10	9.85

IMPROVED SEED GRAINS

	Purity	Germ.	Bu.	5 Bu. @	10 Bu. @	25 Bu. @
Prices include sacks						
BARLEY (Limit 25 Bu. per Customer.)						
New "P" or Kindred.....	99.80	95%	\$2.65	\$2.60	\$2.55	\$2.50
FLAX						
Red Wing.....	99.40	95%	4.90	4.85	4.80	4.75
Biting.....	99.30	90%	5.15	5.10	5.05	5.00
New Koto (Limit 10 Bu.).....	99.00	95%	5.40	5.35	5.30	
OATS						
New Vicland.....	99.60	96%	1.65	1.60	1.55	1.50
New Tama.....	99.60	96%	1.65	1.60	1.55	1.50

	Purity	Germ.	Bu.	5 Bu. @	10 Bu. @	25 Bu. @
Prices include sacks						
WHEAT						
Rival.....	99.50	95%	\$2.80	\$2.75	\$2.70	\$2.65
Regent.....	99.50	95%	2.90	2.85	2.80	2.75
Durum.....	99.50	95%	2.90	2.85	2.80	2.75
Minturki Winter (Write for prices August 1945)						
Marmin Winter (Write for prices August 1945)						
WINTER RYE						
Imperial Wisc. No. 6 (Write for prices August 1945)						
BUCKWHEAT				1.85	1.80	1.75

WEEDONE

The Remarkable New Weed Killer you've read about. (See Jan. Country Gentleman.) Now you can kill Bindweed, Canada Thistle, Poison Ivy, Ragweed, Nettle, Leafy Spurge, etc., easily, cheaply, safely! Read all about it on catalog page 64.

SEE ORDER BLANK IN BACK OF CATALOG

FARMER SEED & NURSERY CO'S Blue Figure Price List

HYBRID SEED CORN

All Registered Seed Corn in 1-bushel, State Sealed Bags. See catalog pages 68 and 69 for description and adaptability of varieties. Prices subject to market changes and stocks being unsold. Germination guaranteed 90% or better (State Laboratory tests show 95%-98%).

All Hybrid Seed Corn is Barbak treated and each hybrid tagged for Planter Plate Recommendations.

All Master Farmer Hybrids Certified and Sealed on Affidavit by Minnesota Crop Improvement Assn. All Minhybrids Registered and Sealed by Minnesota Crop Improvement Assn. All Master Farmer Hybrids Registered with Minnesota State Dept. of Agriculture, as per State Law.

Strictly Minnesota grown (in Rice, LeSueur, and Waseca Counties.)
L—Large M—Medium S—Small R—Rounds F—Flats

Uniform Standardized Grades

LF—over a 21 Round Screen and through a 14 Slotted Screen.
LR—over a 21 Round Screen.
MF—over a 19 Round Screen and through a 13 Slotted Screen.
MR—over a 19 Round Screen.
SF—over a 17 Round Screen and through a 11 Slotted Screen.
SR—over a 17 Round Screen.

Cash Prices— (— QUANTITY DISCOUNTS: —)
25c per bu. discount on orders of 5 bu. or more.
50c per bu. discount on orders of 20 bu. or more.

HYBRID	GRADE	State Seed Laboratory Germ. Test	Maturity Days	Peck	1/2 Bu.	Bu.
Master F-21	LF or MF	98%	83 to 87	\$2.35	\$4.35	\$8.25
	SF or MR	95%		2.10	3.85	7.25
	LR or SR	95%		1.90	3.35	6.25
Master F-40	LF or MF	98%	86 to 90	2.35	4.35	8.25
	MR	98%		2.10	3.85	7.25
	LR or SR	98%		1.90	3.35	6.25
Master F-60	LF or MF	98%	97 to 101	2.20	4.15	7.75
	MR	98%		1.90	3.60	6.75
	LR	98%		1.70	3.15	5.75
Master F-82	LF	96%	104 to 108	2.20	4.15	7.75
	MR	98%		1.90	3.60	6.75
	LR	96%		1.70	3.15	5.75
Master F-101	LF or MF	98%	112 to 116	2.10	3.85	7.25
	MR	98%		1.90	3.35	6.25
	LR	98%		1.50	2.85	5.25
Master F-105	LF	97%	112 to 116	2.05	3.75	7.00
	MR	98%		1.75	3.25	6.00
	LR	98%		1.50	2.75	5.00
Master F-106 (Ideal Hybrid Silo)	LF or MF	95%	116 to 120	1.90	3.60	6.75
	LR	95%		1.45	2.60	4.75
Minhybrid 800	LF or MF	98%	85 to 89	2.35	4.35	8.25
	SF or MR	98%		2.10	3.85	7.25
	LR or SR	98%		1.90	3.35	6.25
Minhybrid 702	LF or MF	98%	88 to 92	2.35	4.35	8.25
	SR	98%		1.90	3.35	6.25
Minhybrid 706 (white)	LF	98%	93 to 97	2.35	4.35	8.25
	LR	98%		1.90	3.35	6.25
Minhybrid 602	LF or MF	98%	95 to 99	2.35	4.35	8.25
	LR or SR	98%		1.90	3.35	6.25
	SR	98%		1.90	3.35	6.25
Minhybrid 502	LF or MF	98%	103 to 107	2.35	4.35	8.25
	MR	98%		2.10	3.85	7.25
	LR or SR	98%		1.90	3.35	6.25
Minhybrid 503	SR	95%	104 to 108	2.10	3.85	7.25
Minhybrid 404	LF or MF	98%	108 to 112	2.20	4.15	7.75
	MR	98%		1.90	3.60	6.75
	LR	95%		1.70	3.15	5.75
Minhybrid 408	LF or MF	98%	114 to 118	2.10	3.85	7.25
	MR	96%		1.90	3.35	6.25
	LR or SR	96%		1.50	2.85	5.25

IMPORTANT RULES IN SELECTING YOUR HYBRID SEED CORN

1. If two Hybrids are equal in genetic potentiality for yield, and one is later than the other, the later maturing variety will produce greater yield. Select varieties which utilize the full growing season for your zone, and still mature safely as recommended. (See map, page 69).

2. All grades of a Hybrid Variety possess exactly the same inherited power to produce high yields, regardless of kernel size or shape, because all kernels from a seed ear are the product of a cross between the same parents. Iowa and Wis. Experiment Station Tests show no difference in yield between flat, small flats, and round grades. Planter plates are available for all grades. The grade you buy should depend on the per acre cost of seed.

3. Plant only first generation Hybrid Seed Corn for a crop of fine grain or silage. Tests by the U. S. D. A. and the Wis. Experiment Station show losses in yield of about 5% when using advanced generation seed saved from a commercial crop.

4. To obtain the desired stand, plant 20% to 25% more kernels than the expected number of mature plants—to compensate for losses through seedling diseases, insects, animals, and cultivation. The small additional seed cost will provide good insurance, and prove a wise investment.

5. The Minnesota Experiment Station says, "Seed of different Hybrids cannot be readily distinguished by appearance, therefore, it is necessary to purchase seed from only reliable sources."

SILAGE AND FODDER CORN (OPEN POLLINATED)

	Germ.	Peck	Bu.
MINN. 13 FODDER, Central Strain, Minn. Grown....	96%	\$0.95	\$1.25
RAINBOW FLINT, Nebr. Grown.....	95%	1.00	1.30
IDEAL HYBRID SILO CORN.....	(See Price List)		

RAPE, CANE, SUDAN GRASS, MILLET

	25 Lbs.	50 Lbs.	100 Lbs.
RAPE, Dwarf Essex, U. S. Grown.....	\$6.00	\$11.65	\$23.00
CANE			
Minnesota Early Orange Sorghum Cane.....	1.85	3.40	6.50
Fodder Cane.....	1.75	3.15	6.00
SUDAN GRASS, Master Farmer.....	2.50	4.65	9.00
SUNFLOWER SEED, Mammoth Russian.....	4.60	8.90	17.00
MILLET			
Golden or German.....	1.85	3.40	6.50
Siberian.....	1.80	3.30	6.25
Japanese.....	1.60	2.90	5.50
Red Proso Millet.....	1.35	2.40	4.50

SOY BEANS

	(Bu. 60 lbs.)	Germ.	Peck	Bu.	100 Lbs.
HABARO.....	90 or Better	\$0.90	\$3.10	\$1.00	
EARLY MINN. MANCHU.....	90 or Better	.85	2.95	4.75	
RICHLAND.....	90 or Better	.85	2.95	4.75	
MINSOY (Extra early for North sections)	90 or Better	.95	3.40	5.40	
MANDARIN, DIMMOCK					
OTTAWA STRAIN.....	90 or Better	.95	3.25	5.25	
MANDARIN, WIS. NO. 507.....	90 or Better	.95	3.25	5.25	
EARLYANA, MINN. GROWN					
(4 to 5 days earlier than Richland).....	90 or Better	.90	3.10	5.00	

FIELD PEAS & VETCHES

	(Bu. 60 lbs.)	Peck	Bu.	100 Lbs.
CANADA YELLOW FIELD PEAS				
Minnesota Grown.....	\$1.40	\$4.95	\$1.60	
VETCHES, HAIRY OR SAND				
Minnesota Grown.....	2.90	10.95	18.00	

NORTHERN GROWN CERTIFIED SEED POTATOES

Certified Seed Potatoes are your best crop insurance. Don't buy just ordinary U. S. No. 1 Grade Seed Potatoes—don't let price decide the placing of your order. You have too much at stake to gamble with ordinary seed.

For years we have specialized in State Certified Potatoes. These are checked for disease and type repeatedly during the growing season—inspected again at grading time, and in the bin. Finally they merit the Official Certification Tag on each 99-lb. bag.

Due to O. P. A. regulations, we cannot offer Certified Potatoes less than bag lots (99 lbs.). Those requiring smaller quantities, are asked to join with neighbors in making up full bag orders.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags Per Bag
EARLY OHIO, Certified.....	\$5.40	\$5.15
EARLY WHITE WARBA, Certified.....	5.40	5.15
EARLY RED WARBA, Certified.....	5.40	5.15
EARLY IRISH COBBLERS, Certified...	5.40	5.15

For trial purposes or small Victory Gardens, Seed Potato Eyes will be available in all varieties. Small gardeners will save on seed costs and transportation in ordering these—see catalog page 28.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags Per Bag
CHIPPEWA, Certified.....	\$5.40	\$5.15
PONTIAC, Certified.....	5.40	5.15
NEW SEBAGO, Certified		
Blight Resistant.....	5.95	5.70
NEW SEQUOIA, Certified		
Blight Resistant.....	5.95	5.70

ALL PRICES SUBJECT TO CHANGE—SEND FOR REVISED PRICE LIST IF ORDERING LATER—

New MASTER HYBRIDS

MINNESOTA GROWN

Ask the Man who Grows Them!

THE TALK OF THE NEIGHBORHOOD

"I planted your Ideal Hybrid Silo Corn June 15th, and it stood up just fine. It grew 12 ft. tall with ears 11 and 12 inches long! Everybody is wondering where I got the seed. They all said they never saw such big ears. I snapped about 1000 bu. from six acres. I sure am proud of it. The best corn I ever had."

John Nickel, Hustisford, Wisc.

FINE FOR THIS SECTION

"Your Master F 101 Hybrid turned out much better than my Minhybrid 404. It is certainly a fine corn for this section."

Jos. Schaeffler, Lafayette, Minn.

DRIEST CORN HE HAD

"More than pleased with F101. It stayed green longer, but when I started to pick, it was the driest corn I had. It tested 17 per cent moisture. The ears hang on well and it yields as heavy as any other hybrid on the market."

Ronald E. Tigges, Peterson, Iowa

BETTER QUALITY CORN

"I planted your Master F 101, Master F 105, and Master Ideal Hybrid Silo Corn along side of three other good hybrids. Your Master Hybrids produced a lot better quality corn. I only wish I had planted more."

Edw. Pomeroy, Brewster, Minn.

AVERAGED 2 EARS PER STALK

"Your Ideal Hybrid Silo Corn made a splendid crop of silage. Stalks were 12 ft. high, and carried an average of two ears per stalk. They stood straight with an abundance of foliage."

E. R. Prindle, Alma Center, Wisc.

**SEE PAGES 68 & 69 FOR OTHER
MASTER & MINHYBRIDS**

GET THIS BIG LIVE MAGAZINE

NOW!

60 MONTHS \$1.00 or 12 MONTHS 25¢

YOU will be delighted and wonder how these two great up-to-the-minute illustrated magazines, now printed together, can cost so little. It's for all—men, women, boys and girls,—clean and wholesome, no liquor advertisements.

Farm Journal and Farmer's Wife, Dept. C, Phila., Pa.

☐ I'm enclosing \$1.00 for 60 months subscription **OR** ☐ I'm enclosing 25¢ for 12 months subscription

Mark the Offer You Want. Send Money Our Risk.

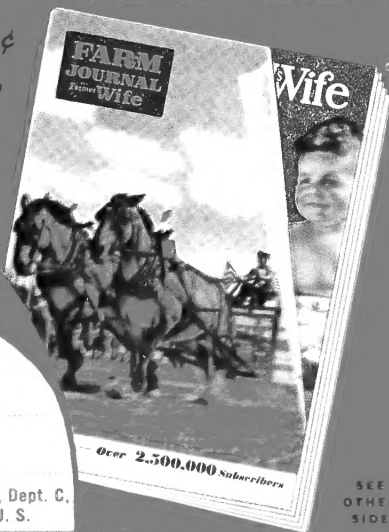
Name.....

R.F.D. Box or Street.....

If you live on a R. F. D. put route number above for prompt service.

P.O. State.....

IMPORTANT: Send coupon direct to Farm Journal and Farmer's Wife, Dept. C, Philadelphia 5, Pa., with remittance (at our risk). Offer good only in U. S.



... famous
... meet from
... with 16
... feeding
... is best
... are plant
... developed—
... all zones
... rain pro-
... ducer!

... Minne-
... and
... Yield
... highest

yield of all hybrids tested in Winona County—111.7 bu. per acre! A vigorous grower, with stubborn standing ability. Big, attractive 9 to 10 inch ears on short sturdy shanks, dry out rapidly after maturity. Extra deep, rich yellow kernels of high feeding value. Makes a crop you can really be proud of!

SEE BLUE FIGURE PRICE LIST

**Every
BAG**
Treated,
Certified
and
State
Inspected

BUY DIRECT—NO AGENTS!

See our money-saving price list at the left. Order direct from growers by mail—you save Agent's profits,—but **ORDER EARLY!**

**SAVE
MONEY**

FARMER SEED & NURSERY CO'S Blue Figure Price List

HYBRID SEED CORN

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LR—over a 21 Round Screen.

MF—over a 19 Round Screen and through a 13 Slotted Screen.

MR—over a 19 Round Screen.

SF—over a 17 Round Screen and through a 11 Slotted Screen.

SR—over a 17 Round Screen.

Cash Prices— (— QUANTITY DISCOUNTS: —)
25c per bu. discount on orders of 5 bu. or more.
50c per bu. discount on orders of 20 bu. or more.

HYBRID	GRADE	State Seed Laboratory Germ. Test	Maturity Days	Peck	1/2 Bu.	Bu.
Master F-21	LF or MF	98%	83 to 87	\$2.35	\$4.35	\$8.25
	SF or MR	95%		2.10	3.85	7.25
	LR or SR	95%		1.90	3.35	6.25
Master F-40	LF or MF	98%	86 to 90	2.35	4.35	8.25
	MR	98%		2.10	3.85	7.25
	LR or SR	98%		1.90	3.35	6.25
Master F-60	LF or MF	98%	97 to 101	2.20	4.15	7.75
	MR	98%		1.90	3.60	6.75
	LR	98%		1.70	3.15	5.75
Master F-82	LF	96%	104 to 108			
	MR	98%				
	LR	96%				
Master F-101	LF or MF	98%	112 to 116			
	MR	98%				
	LR	98%				
Master F-105	LF	97%	112 to 116			
	MR	98%				
	LR	98%				
Master F-106 (Ideal Hybrid Silo)	LF or MF	95%	116 to 120			
	LR	95%				
Minhybrid 800	LF or MF	98%	85 to 89			
	SF or MR	98%				
	LR or SR	98%				
Minhybrid 702	LF or MF	98%	88 to 92			
	SR	98%				
Minhybrid 706 (white)	LF	98%	93 to 97			
	LR	98%				
Minhybrid 602	LF or MF	98%	95 to 99			
	LR or SR	98%				
Minhybrid 502	LF or MF	98%	103 to 107			
	MR	98%				
	LR or SR	98%				
Minhybrid 503	SR	95%	104 to 108			
Minhybrid 404	LF or MF	98%	108 to 112			
	MR	98%				
	LR	95%				
Minhybrid 408	LF or MF	98%	114 to 118			
	MR	96%				
	LR or SR	96%				

IMPORTANT RULES IN SELECTING YOUR HYBRID SEED CORN

1. If two Hybrids are equal in genetic potentiality for yield, and one is later than the other, the later maturing variety will produce greater yield. Select varieties which utilize the full growing season for your zone, and still mature safely as recommended. (See map, page 69).

2. All grades of a Hybrid Variety possess exactly the same inherited power to produce high yields, regardless of kernel size or shape, because all kernels from a seed ear are the product of a cross between the same parents. Iowa and Wis. Experiment Station Tests show no difference in yield between flat, small flats, and round grades. Planter plates are available for all grades. The grade you buy should depend on the per acre cost of seed.

3. Plant only first generation Hybrid Seed Corn for a crop of the grain on silage. Tests by the U. S. D. A. and the Wis. Experiment Station show losses in yield of about 25% when using advanced generation seed saved from a commercial crop.

4. To obtain the desired stand, plant 20% to 25% more kernels than the expected number of mature plants—to compensate for losses through seedling diseases, insects, animals, and cultivation. The small additional seed cost will provide good insurance, and prove a wise investment.

5. The Minnesota Experiment Station says, "Seed of different Hybrids cannot be readily distinguished by appearance, therefore, it is necessary to purchase seed from only reliable sources."

SILAGE AND FODDER CORN (OPEN POLLINATED)

	Germ.	Peck	Bu.
MINN. 13 FODDER, Central Strain, Minn. Grown....	96%	\$0.95	\$3.25
RAINBOW FLINT, Nebr. Grown.....	95%	1.00	3.50
IDEAL HYBRID SILO CORN.....		(See Prices at Left)	

RAPE, CANE, SUDAN GRASS, MILLET

	25 Lbs.	50 Lbs.	100 Lbs.
RAPE, Dwarf Essex, U. S. Grown.....	\$6.00	\$11.00	\$23.00
CANE			
Minnesota Early Orange Sorghum Cane.....	1.85	3.40	6.50
Fodder Cane.....	1.75	3.15	6.00
SUDAN GRASS, Master Farmer.....	2.50	4.60	9.00
SUNFLOWER SEED, Mammoth Russian.....	4.60	8.90	17.00

TAKE YOUR CHOICE

More For Your Money
—Send \$1.00 for 60 months and protect against price increase and save money. Or 25c gives you 12 big issues, biggest value ever for a Quarter.

WORLD'S LARGEST FARM MAGAZINE
Farm Journal and Farmer's Wife is published monthly; big issues, new timely features; fine pictures, beautiful colored covers. Brief, easy to read, 68 years old. Largest subscription list in the world, over 2,500,000 copies monthly from Maine to California.

Something for the Whole Family

For folks who live in the Country and love the Country. This fastest printed Month Ahead Magazine gets the important news to you first when valuable and useful.

Farm Journal section: Latest ideas in farm practice, equipment and machinery repairs, livestock, dairying, poultry, crops, orchard, garden and everything about the farm. Will keep you up-to-date on post-war changes affecting your farming operations. Latest Washington news important to farmers.

Farm Women's letters, etc. Fiction by nationally known authors. Youth section: Latest 4-H Club and FFA news, answers to youths' problems, grooming, etiquette, parties, games, movies, sports, aviation, hobbies, success stories, money-making ideas, jokes, cartoons, etc.

LATE AND IMPORTANT "LETTER" EVERY ISSUE; DIGESTS FUTURE TRENDS IN BUSINESS OF FARMING. Mail this Coupon today with remittance (at our risk), direct to Farm Journal and Farmer's Wife, Dept. C, Philadelphia 5, Pa.

Recommended by
FARMER SEED & NURSERY CO.
Always Dependable

IF YOU ARE NOW A SUBSCRIBER, YOU MAY MAIL OR GIVE THIS VALUABLE COUPON TO A FRIEND WHO IS NOT

NORTHERN GROWN CERTIFIED SEED POTATOES

Certified Seed Potatoes are your best crop insurance. Don't buy just ordinary U. S. No. 1 Grade Seed Potatoes—don't let price decide the placing of your order. You have too much at stake to gamble with ordinary seed.

For years we have specialized in State Certified Potatoes. These are checked for disease and type repeatedly during the growing season—inspected again at grading time, and in the bin. Finally they merit the Official Certification Tag on each 99-lb. bag.

Due to O. P. A. regulations, we cannot offer Certified Potatoes less than bag lots (99 lbs.). Those requiring smaller quantities, are asked to join with neighbors in making up full bag orders.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags* Per Bag
EARLY OHIO, Certified.....	\$5.40	\$5.15
EARLY WHITE WARBA, Certified.....	5.40	5.15
EARLY RED WARBA, Certified.....	5.40	5.15
EARLY IRISH COBBLERS, Certified...	5.40	5.15

For trial purposes or small Victory Gardens, Seed Potato Eyes will be available in all varieties. Small gardeners will save on seed costs and transportation in ordering these—see catalog page 28.

Prices F. O. B. Faribault	Per Bag (99 Lbs.)	2 or More Bags* Per Bag
CHIPPEWA, Certified.....	\$5.40	\$5.15
PONTIAC, Certified.....	5.40	5.15
NEW SEBAGO, Certified		
Blight Resistant.....	5.95	5.70
NEW SEQUOIA, Certified		
Blight Resistant.....	5.95	5.70

ALL PRICES SUBJECT TO CHANGE—SEND FOR REVISED PRICE LIST IF ORDERING LATER—



New MASTER HYBRIDS

MINNESOTA GROWN

Ask the Man who Grows Them!

THE TALK OF THE NEIGHBORHOOD

"I planted your Ideal Hybrid Silo Corn June 15th, and it stood up just fine. It grew 12 ft. tall with ears 11 and 12 inches long! Everybody is wondering where I got the seed. They all said they never saw such big ears. I snapped about 1600 bu. from six acres. I sure am proud of it. The best corn I ever had."

John Nickel, Hustisford, Wis.

FINE FOR THIS SECTION

"Your Master F 101 Hybrid turned out much better than my Minhybrid 404. It is certainly a fine corn for this section."

Jos. Schaeffler, Lafayette, Minn.

DRIEST CORN HE HAD

"More than pleased with F101. It stayed green longer, but when I started to pick, it was the driest corn I had. It tested 17 per cent moisture. The ears hang on well and it yields as heavy as any other hybrid on the market."

Ronald E. Tigges, Peterson, Iowa

BETTER QUALITY CORN

"I planted your Master F 101, Master F 105, and Master Ideal Hybrid Silo Corn along side of three other good hybrids. Your Master Hybrids produced a lot better quality corn. I only wish I had planted more."

Edie. Pomeroy, Brewster, Minn.

AVERAGED 2 EARS PER STALK

"Your Ideal Hybrid Silo Corn made a splendid crop of silage. Stalks were 12 ft. high, and carried an average of two ears per stalk. They stood straight with an abundance of foliage."

E. R. Prindle, Alma Center, Wis.

SEE PAGES 68 & 69 FOR OTHER MASTER & MINHYBRIDS

MASTER IDEAL F-106 HYBRID SILO CORN

(116-120 Days)

Now we offer a HYBRID—developed from our famous Ideal Silo Corn! Nine foot plants carry ears 3 feet from the ground. The 9 to 10 inch ears are packed with 16 rows of deep, soft-starch, yellow kernels of high feeding value.

Fifteen tons of quality silage per acre! Silage is best when corn is "medium dented." Then the entire plant contains 70% moisture, and ears are well developed—while plant remains green.

Master Ideal Hybrid is splendid for silage in all zones—figuring maturity at 10 days later than for grain production. Be sure to try this great new silage producer!

SEE BLUE FIGURE PRICE LIST

MASTER F-101

(112-116 Days)

Our record-breaking Master Hybrid for Southern Minnesota, Wisconsin, South Dakota, Northern Iowa and similar territories. In the Official 1941 Minnesota Yield Trials (the last official trials), F-101 made the highest yield of all hybrids tested in Winona County—111.7 bu. per acre! A vigorous grower, with stubborn standing ability. Big, attractive 9 to 10 inch ears on short sturdy shanks, dry out rapidly after maturity. Extra deep, rich yellow kernels of high feeding value. Makes a crop you can really be proud of!

SEE BLUE FIGURE PRICE LIST

Every
BAG
Treated,
Certified
and
State
Inspected

BUY DIRECT—NO AGENTS!

See our money-saving price list at the left. Order direct from growers by mail—you save Agent's profits,—but ORDER EARLY!

SAVE
MONEY

HOME CANNERS FAVORITES!

FARIBO BRITTLE WAX BEANS

(No. 9)—The finest in Wax Beans. Heavy loads of tender, succulent, buttery-flavored, absolutely stringless beans. Ideal for table use, canning or freezing.
Big Pkt. 10c, 1/2 lb. 25c, lb. 40c prepaid (See page 5)

**6 BIG
PACKETS**
HOME CANNER'S
FAVORITES

(one of each shown here)

50c
Ppd.

TENDERGREEN STRINGLESS BEANS

(No. 21)—Round, fleshy, brittle, green beans that make a dinner treat, fresh from the garden, canned, or frozen. Tender, stringless, fiberless, appetizing flavor.
Big Pkt. 10c, 1/2 lb. 25c, lb. 40c prepaid (See page 4)

TENDER GIANT PEAS

(No. 475)—A mid-season, large podded variety of superior sweetness, flavor and tenderness. A most popular canner. Matures after the early dwarf peas, and before other large podded, main crop sorts.
Big Pkt. 10c, 1/2 lb. 20c, lb. 35c prepaid (See page 19)

PLANT A VICTORY GARDEN

and do your
share to win
the war

KANNER KING HYBRID SWEET CORN

(No. 248)—Large, uniform, ears packed with tender golden kernels of high-sugar content. A main crop, heavy yielding hybrid of super quality for table, canning or freezing.

Big Pkt. 12c, 1/2 lb. 30c, lb. 55c prepaid (See page 10)

DETROIT DARK RED BEETS

(No. 85)—These smooth, uniform, attractive beets, with crisp flesh of deep oxblood red, are sweet and tender, without a trace of woodiness.
Pkt. 10c, Oz. 20c, 1/4 lb. 75c prepaid (See page 6)

RUTGERS TOMATO

(No. 610)—One of the finest tomatoes grown. Smooth, solid, brilliant scarlet fruits, ripen evenly from the inside out. Pleasing, mildly acid taste. Makes sparkling bright red juice.

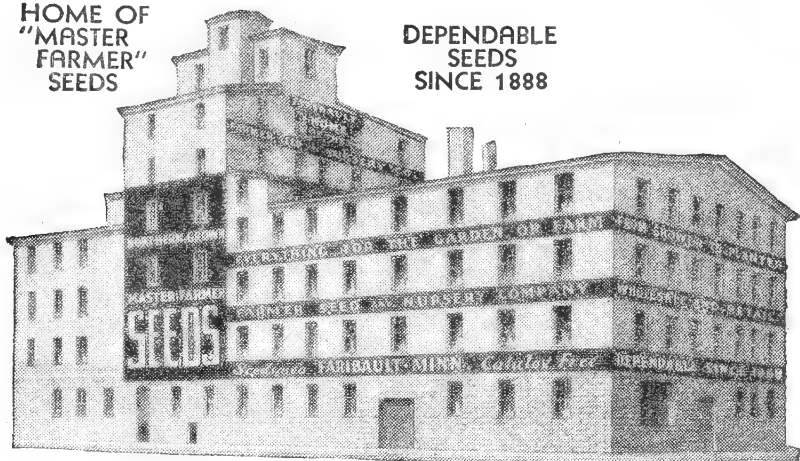
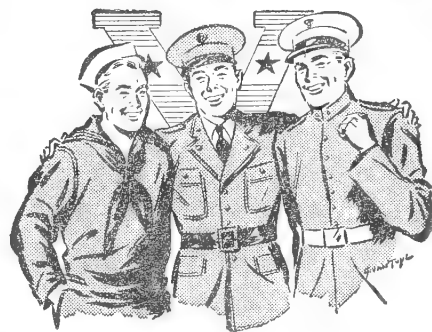
Pkt. 10c, 1/2 Oz. 35c, Oz. 60c prepaid (See page 24)

Plant...Plant...Plant...the Boys are Marching!

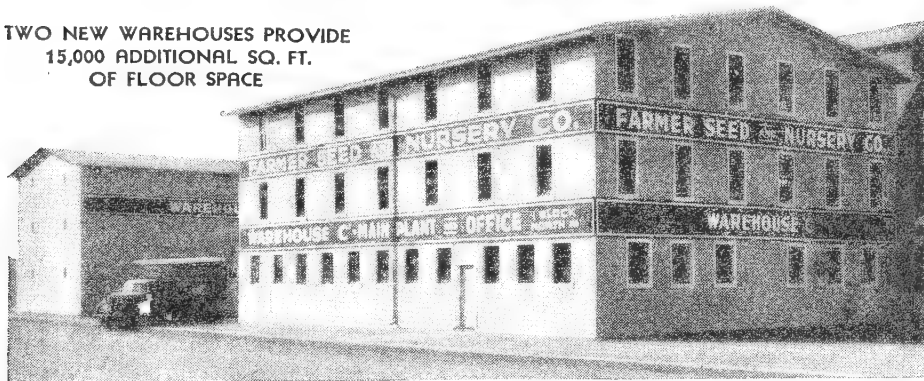
HOME OF
"MASTER
FARMER"
SEEDS

DEPENDABLE
SEEDS
SINCE 1888

MUCH MAY
DEPEND
ON YOUR
PLANTING
EFFORTS
IN
1945



TWO NEW WAREHOUSES PROVIDE
15,000 ADDITIONAL SQ. FT.
OF FLOOR SPACE



OUR "MASTER HYBRID" SEED CORN
DRYING PLANT—



Look for the
"FARIBO" SEED CASE
at your Dealers

CEILING PRICES ———

It is our endeavor to keep *BELOW* ceiling
prices wherever possible.

BULBS - NURSERY STOCK - ONION SETS AND
SEED POTATOES SHIPPED AT PLANTING TIME

See Index on Page 78

FARIBAULT, MINN.

JAN. 1945

Dear Friends:—

WE CANNOT let down now—more *Farm Crops*—more *Garden Crops*—more *Food* must be produced to bring about the Peace our boys are fighting for—and the Welcome Home they have a right to expect.

We have again been blessed with abundant crops. Through toil and sweat, undermanned American Agriculture has set a new high record of production, and farm prosperity has never been greater, and for all of this, we can give thanks to God.

However, this is the critical year. The supreme task now confronts us—to feed not only our own men and women in Service, but also the millions of starving, undernourished war victims in liberated countries.

Our task at home is to redouble our efforts, and with all the energy at our command to produce food, ammunition and funds necessary to carry on until Victory is a reality.

We in the seed industry are making every effort to provide the best seed Old Mother Earth produces—and to make it easier for you to gain maximum production to help hasten Victory.

Shortage of labor, higher production costs, and small crops in some cases, have hampered us also. For this reason, we advise ordering early. Study this Annual carefully—make your selections now. Here you will find much helpful information—and the varieties recommended by the best Experiment Stations.

We are ready to serve you, and you will find "Master Farmer" products dependable as always—that's our record since 1888.

Sincerely,

FARMER SEED & NURSERY CO.

E. Kienapp - President





Night Scene at Trial Garden on U. S. Highway 65 where seed stocks are tested

Resolve to Have
A BETTER GARDEN IN 1945

FOR
VICTORY



**GROW VITAMINS AT
YOUR KITCHEN DOOR**

Asparagus (Asparagus Roots on page 26)

Leaflet on Asparagus Culture Free Upon Request

4. NEW PARADISE—Rust-Resistant. Produces a normal crop one year earlier than other varieties and gives heavier production throughout its life. Large crisp, tender stalks of exceptionally fine, mild flavor. Only 6 to 8 stalks required to the pound. The seed should be planted very thinly in seed beds the first season. Pkt. 10c, oz. 30c, ¼ lb. \$1.10, lb. \$4.25, prepaid.

5. WASHINGTON—Rust-Resistant. The leading variety grown by market gardeners. Pkt. 8c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

This Book Helps Vegetable - Growers

"Have a Victory Garden" is an 80-page book that tells you how to get the most out of your garden. Gives cultural directions and information on insect enemies, hotbed making, etc. Written by experts—fully illustrated.

FREE—Your choice of this book or the Kerr Recipe Book (see page 18) with a \$2.00 order for Garden Seeds or with a \$5.00 order for Field Seeds. Ask for it.

Price
10c ppd.

Green Bush Beans

Cultural Directions for Garden Beans on Page 5.

21. TENDERGREEN STRINGLESS—(54 days.) So tender and snappy it fairly melts in your mouth! Excellent for home garden or market. Pod: 6 inches long, round fleshy, dark green, stringless and of fine quality. A very heavy yielder. Seed: brown, blotched with light fawn. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$3.00. (Color photo page 2.)

22. NEW KEYSTONIAN—All America Award Winner. This new all purpose stringless green bean produces long, round, straight pods of superb quality. It is adapted to all sections of the country—is very productive, and ideal for canning, freezing, shipping or the home garden. Mammoth pkt. 10c, ½ lb. 30c, lb. 50c, 2 lbs. 95c, 5 lbs. \$2.00, prepaid.—Not prepaid, 10 lbs. \$3.35.

25. BURPEE'S STRINGLESS GREEN POD—(52 days.) Gardeners and canners like this stringless and fiberless bean for its excellent quality. It sells readily on the market, and for cut beans for canning, it can't be beat. Pod: 6 inches long, medium green, round. Seed: coffee brown. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

27. BOUNTIFUL—(49 days.) A bountiful yielder of delicious, extra early, green, stringless beans. For home garden and for early market. Bountiful is unsurpassed. Pod: 6¾ inches long, flat, stringless and of fine quality. Seed: yellow straw color. Mammoth pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

Inoculate Garden Beans

with
new

LEGUME-AID

Pkt.
10c

You get bigger,
better crops!

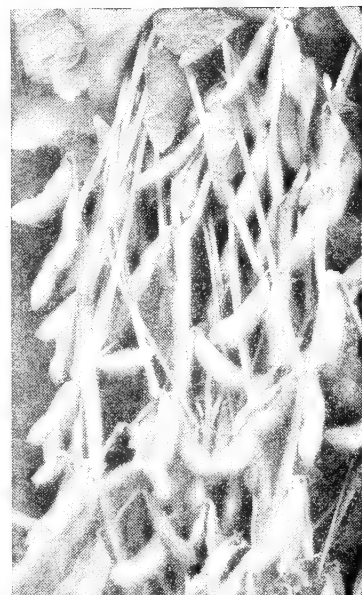
Edible Soy Beans →

NUTRITION KING OF VEGETABLES

For cooking, baking, canning, freezing and sprouting. Get free recipe folder.

29. BANSEI—Considered the best of these early miracle beans. No single vegetable variety surpassing Edible Soy Beans in nutritional values. You have read about them in all the leading magazines and newspapers. Bansei grows 18-24" tall—will thrive in any average garden soil,—is resistant to disease and insect pests—and ready to eat in 90 days. Pods are 2½" long. Beans bright green to yellow at maturity. Price: Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. \$2.50.

Bansei's for Cooking—Baking—Freezing—Sprouting—To prepare green shell soy beans cover pods with boiling water, let stand for five minutes then drain and shell. To one pint of hulled beans add one pint of boiling water and ¾ teaspoon salt. Cover and cook for ten minutes after boiling starts. Drain and season with butter. Dozens of new recipes free on request. Bansei's for cooking and baking: Lb. 25c, 5 lbs. \$1.10, prepaid.—Not prepaid, 10 lbs. \$1.75.



Bansei Edible Soy Beans



This is Decatur, a vigorous disease-resistant new Pole Bean.

Wax-Podded BUSH BEANS SNAPPY-TENDER-BUTTERY

1 lb. plants 50 foot row.

CULTURE—Beans should be sown after May 15th, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often.

NOTE—Do not walk through, or pick beans when they are wet with dew or rain as touching the wet plants spreads the spores of anthracnose or bean canker from one plant to another.

9. FARIBAULT BRITTLE WAX—(52 days.) Tender, succulent, buttery-flavored beans. Ideal for home use and for canning. An excellent winter shell bean. Pods are 6 inches long, attractive lemon yellow color, and absolutely stringless. Seed is white, kidney-shaped with black eye. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

10. TOP NOTCH GOLDEN WAX—(50 days.) Superior in quality and yield. Pods 6 inches long, stringless, of rich yellow color, nearly flat and broad. Seed resembles Golden Wax but pods run about an inch longer and are absolutely stringless. The maturity is a few days later. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

12. BLACK PENCIL POD WAX—(52 days.) Vigorous, productive and of appetizing flavor. Pods are 6 1/2 inches long, round, fleshy, golden yellow, tender, absolutely stringless, brittle and of finest quality. Seeds are oblong, solid black. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

15. SURE CROP STRINGLESS WAX—(53 days.) A favorite with truckers and shippers. Resistant to blight and rust, hardy and vigorous even in dry sections. Bears heavily. Pods are 6 1/2 inches long, golden yellow, flat, brittle, strictly stringless, of fine texture and quality. Seeds are oval, jet black. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.



Sure Crop Stringless Wax—Sturdy and productive

16. UNRIVALLED ROUND POD WAX—(52 days.) Very popular among our market gardener trade. Pods are 5 1/2 inches long. Attractive deep yellow, thick, flat, brittle, stringless when young. Plant is dwarf, erect, stocky, very productive. Seeds are small, oval, glossy golden brown. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

19. EARLY WONDER WAX—(40 days.) Extremely early and resistant to rust, a very heavy yielder. Pods are 6 1/2 inches long, clear waxy yellow, plump, tender, brittle, of fine texture and very meaty. Plant is large, strong, productive. Seeds are yellow. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$2.85.

Pole Snap Beans

One pound plants 200 hills. Plant hills 3 feet apart each way sowing 4 to 6 beans to a hill. Stake with poles 7 feet high.

58. DECATUR—A Silver Medal Winner. Early, stringless in all stages, resistant to rust and bean mosaic, this new Pole Bean is the heaviest bearer of them all. The dark green pods are 6 to 8 inches long, round, nearly straight, meaty and of fine quality. Seeds are ivory-white and small. Hardy and vigorous, the plants are uniform in growth and pod type and reach a height of 6 to 7 feet. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$1.85, prepaid.—Not prepaid, 10 lbs. \$3.15.

60. KENTUCKY WONDER—(65 days.) (Old Homestead.) The most popular pole bean grown. A splendid canner. Will bear heavily all summer if kept picked. Pods are 8 inches long, silvery green, practically round, of good quality and very brittle. Seeds are buff brown. Mammoth pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. \$2.75.

Beans for Baking

30. RED KIDNEY OR CHILI BEAN—(95 days.) Everyone likes the delicious, tangy flavor of hot Mexican Chili Con Carne! Anyone can grow these delicious red Chili Beans. They are of excellent quality for dry bean use. Pods: 6 inches long, flat, waxy green. Seeds: reddish brown. Mammoth pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. \$2.75.

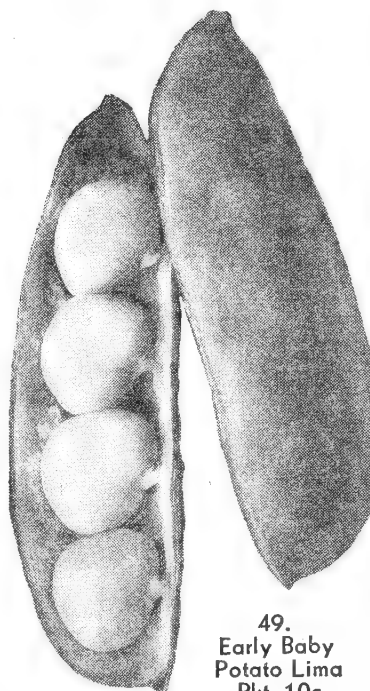
40. GREAT NORTHERN—Better for baking and cooking than any navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger than common navy beans. Mammoth pkt. 8c, 1/2 lb. 15c, 1 lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.75.

41. ROBUST NAVY—Plants are of decidedly robust growth. Beans are clear white. Mammoth pkt. 8c, 1/2 lb. 15c, 1 lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.75.

42. MICHELITE NAVY—An improved navy bean introduced by the Michigan Agricultural Station. Resistant to mosaic and bacterial blight. Vines similar to navy. Seed glossy white, small, full oval shape. Mammoth pkt. 8c, 1/2 lb. 15c, lb. 28c, 2 lbs. 50c, 5 lbs. \$1.15, prepaid.—Not prepaid, 10 lbs. \$1.75.

All Season Bean Collection

One Pkt. Each	Tendergreen Stringless	35c ppd.
	Sure Crop Wax	
	Baby Potato Lima	
	Decatur Pole Bean	



49.
Early Baby
Potato Lima
Pkt. 10c

Treat Bean Seed with
SEMESAN
to combat soil infestation
and seed-borne diseases.
See Page 17.

Delicious Lima Beans

CULTURE—Plant in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant 3 inches deep. 1 lb. plants 50 ft. of row.

49. EARLY BABY POTATO BUSH LIMA—An All-America Winner. (72 days.) A small thick seeded butter bean with Fordhook flavor and a dependable producer of good sized pods in most all sections. Sturdy plants, 12 to 16 inches high, are early and prolific. Seeds attractive bright green at eating stage, creamy white when dry. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$3.00.

50. FORDHOOK BUSH LIMA—(75 days.) Most popular large seeded Dwarf Lima. Big, plump, buttery beans of delicious flavor. Pods are 4 1/2 inches long, 1 inch wide; contain 3 to 4 seeds. Green shell beans: large thick oval, of excellent quality. Seeds are white with tinge of green. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$1.85, prepaid.—Not prepaid, 10 lbs. \$3.15.

51. BURPEE'S IMPROVED BUSH LIMA—(75 days.) Of excellent quality and luscious flavor. Pods are 4 inches long, 1 1/4 inches wide; contain 4 to 5 seeds. A heavy yielder. Seeds are large, plump, flat, wrinkled; white with greenish tinge. Mammoth pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. \$3.00.

52. HENDERSON BUSH LIMA—(68 days.) Produces small, flat, green shell beans of excellent quality. Very early and fine for canning. Pods are 3 1/2 inches long with 3 to 4 seeds. Plant is small bushy. Seeds and dry beans, creamy white. Mammoth pkt. 8c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. \$2.75.

To Control Bean Beetles, Spray the Vines with Pyrocide. See page 12.

Tender Young Table Beets

Sow 1 oz. to 80 ft. of row—6 lbs. per acre.

CULTURE—Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of August; when the plants are large enough, thin out to stand four inches apart.

83. EXTRA EARLY WINESAP—(54 days.) The first beet on the family dinner table. Winesap combines excellent quality, flavor and tenderness with its exceptional earliness. Roots are semi-globular, deep rich crimson with small taproot. Flesh is fine grained, sweet and tender. Tops are medium small. Pkt. 10c, oz. 20c, ¼ lb. 75c, lb. \$2.75, prepaid. Not prepaid, 5 lbs. at \$2.50 per lb.

84. EARLY WONDER—(54 days.) First on the early market. A splendid shipping variety. Similar in quality to Winesap. Roots are blood red with small taproot. Flesh is blood red with lighter zones, tender and of good quality. Tops are medium small. Pkt. 10c, oz. 20c, ¼ lb. 75c, lb. \$2.75, prepaid. Not prepaid, 5 lbs. at \$2.50 per lb.

85. DETROIT DARK RED—(62 days.) The outstanding late variety for truckers, produce shippers, canners and home gardeners. A most popular, real quality beet. Roots are globular, smooth, uniform, attractive, with small taproot. Flesh is deep ox-blood red, with indistinct zones. Splendid quality, sweet and tender, without any trace of woodiness. Pkt. 10c, oz. 20c, ¼ lb. 75c, lb. \$2.85, prepaid. Not prepaid, 5 lbs. at \$2.65 per lb. (Color photo page 2.)

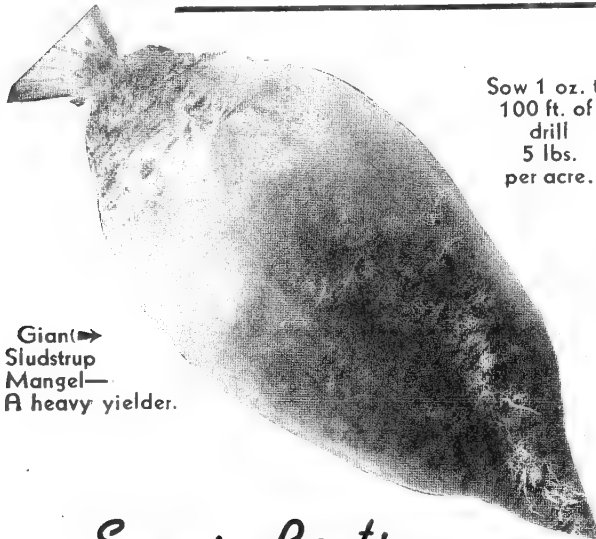
86. CROSBY'S EARLY EGYPTIAN—(60 days.) A standard early variety, very popular with market gardeners, as the tops bunch well and it makes a good appearance with dark red, flat-globe or turnip-shaped roots. Small taproot. Tops large and tall; flesh purplish red with indistinct lighter zones. Pkt. 8c, oz. 18c, ¼ lb. 65c, lb. \$2.40, prepaid. Not prepaid, 5 lbs. at \$2.25 per lb.

89. EARLY BLOOD TURNIP—(68 days.) One of the best for home use or for market gardeners. Tops medium small, but fairly coarse. Roots turnip-shaped; dark red. Flesh bright red with zones of lighter shade. Pkt. 8c, oz. 18c, ¼ lb. 65c, lb. \$2.40, prepaid. Not prepaid, 5 lbs. at \$2.25 per lb.



Detroit Dark Red→
Tender and delicious even when full-grown.

Swiss Chard,
or
Spinach Beet
see page 22



Sow 1 oz. to 100 ft. of drill
5 lbs.
per acre.

Giant→
Sludstrup
Mangel—
A heavy yielder.

Mangels or Stock Beets

Mangels are the most important of all root crops for feeding livestock. Palatable, easily digested and highly nutritious, both Dairy Farmers and Poultry Raisers find them a valuable winter feed for cattle and poultry. They increase the flow of milk when fed to cattle; they keep hens healthy and stimulate egg production. They should be fed at the rate of 25 lbs. to 100 hens per day, with grain. Mangels are easily stored for winter, in root cellars or outdoor pits.

CULTURE—Sow at corn planting time—in drills 2 to 2½ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil it must be planted 1½ to 1½ inches deep. Thin out to stand 8 inches apart in row.

106. MAMMOTH LONG RED—Yields from 20 to 30 tons per acre. Roots extremely large, tapering, grow half above ground; skin light red. Flesh is white with rose tinge. Oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

108. GIANT SLUDSTRUP—A very high yielder. Roots are long, oval, orange colored. Flesh is white with yellow tinge. Oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

109. GIANT HALF SUGAR—Roots are long, oval, white with light bronze-green shoulder. Flesh is white and high in sugar content. Oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

Sugar Beets

115. KLEIN WANZLEBEN—The most popular variety for sugar manufacture on account of high sugar content; also good for stock feed. Roots are long, with white skin and flesh. Oz. 15c, ¼ lb. 50c, lb. \$1.85, prepaid. Not prepaid, 5 lbs. at \$1.60 per lb.

Ask for free leaflet, "How to Produce Your Own Sugar and Syrup from Sugar Beets."



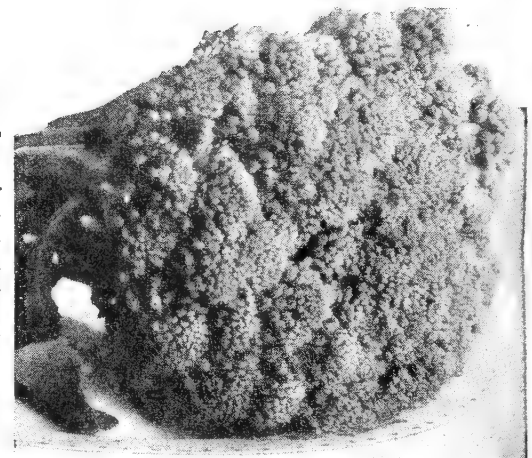
Grow Brussels Sprouts for your Thanksgiving dinner this year. When cooked they are tender and delicious with a mild savory flavor.

Grow These Table Delicacies

70. BRUSSELS SPROUTS—

A delicious vegetable for fall and early winter use. The plant stalks are covered with small cabbage-like sprouts, tender and succulent. The flavor is improved by a touch of frost. Requires the same method of culture as late cabbage. Pkt. 10c, ½ oz. 40c, oz. 70c, prepaid.

Treat your seed for Disease Control before planting. Use SEMESAN, a chemical powder that sterilizes both seed and soil, and insures better germination and healthier seedlings. See page 17.



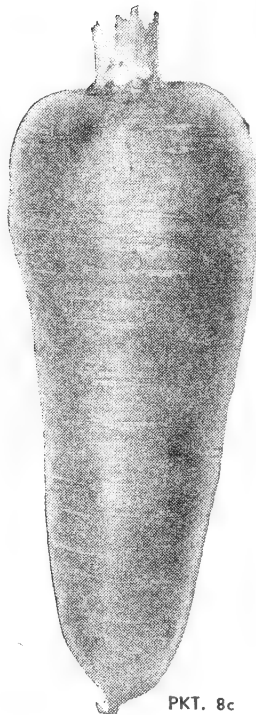
Broccoli—a delicious vegetable superior in flavor to Cauliflower.

80. SUMMER-LONG BROCCOLI—Famed for its tender, delicious flavor and healthful qualities. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8-10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. Should not be cooked longer than 15-20 minutes or the delicate flavor will be destroyed. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.25, prepaid.

Shown in Color on Inside Back Cover.

Beet Tops Cooked Like Spinach, Make Delicious "Greens."

Carrots are Rich in Food Value



PKT. 8c
171. Danver's Half Long.
A heavy yielder and fine keeper.

One ounce will sow 100 feet of row, 3 to 4 lbs. per acre.

CULTURE—Carrots will grow in any soil, but sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about one-half inch. Plants should be thinned to two, three, or even four inches apart in the row.

Stones, clods of soil or lumps of manure cause poor forked roots, and failure to thin young plants leads to twisted inferior roots. Deeply prepared uniform friable soil produces clean, well developed roots.

170. F. S. & N. CO'S. SUPERIOR MARKET—(76 days.) An attractive bunching and shipping carrot. Roots 8 inches long, with sloping shoulder tapered to semi-blunt end. Flesh, bright deep orange, of excellent quality. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.70, prepaid.

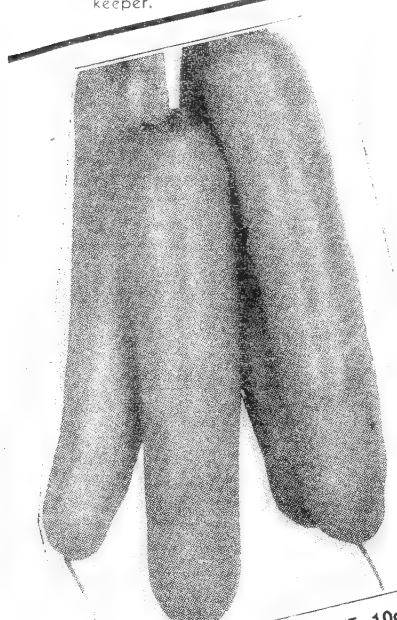
171. DANVERS HALF-LONG—(75 days.) Rich, bright orange in color. Fine-grained and tender. A dependable half-long variety with a blunt point. Easy to harvest; a good keeper and shipper. Pkt. 8c, oz. 25c, ¼ lb. 90c, lb. \$3.25, prepaid.

172. NANTES CORELESS—(69 days.) This early carrot is unsurpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and coreless, 6-7 inches long. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$3.25, prepaid.

173. IMPERATOR—(77 days.) Roots 7-8 inches long, slightly tapering and just enough top to bunch well. Color is a deep solid orange all through. Of high quality, brittle, tender and sweet. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$3.25, prepaid.

174. OXHEART OR GUERANDE—(72 days.) Desirable for home use, prolific and a good keeper. When fully mature used for stock feeding. Excellent table quality when young. Roots: 4 to 5 inches long, 2½-inch shoulder; bright orange, thick, blunt-ended, heart shaped. Pkt. 8c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

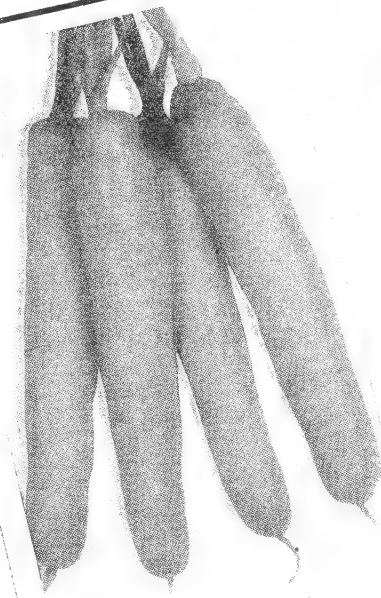
175. CHANTENAY OR MODEL—(71 days.) An excellent all-purpose, medium-early variety, desirable for home and market garden, and for canning diced carrots. Roots: 6 inches long, deep orange, smooth tapered, stump rooted. Flesh: deep orange with indistinct core. Pkt. 8c, oz. 25c, ¼ lb. 90c, lb. \$3.25, prepaid.



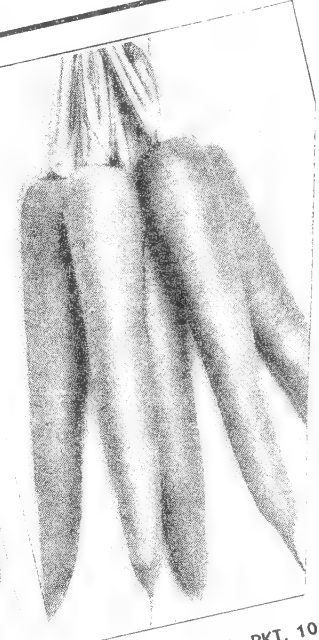
172. NANTES CORELESS—PKT. 10c



175. CHANTENAY—PKT. 8c



178. TOUCHON—PKT. 10c



170. SUPERIOR MARKET—PKT. 10c

Carrots for Stock Feeding

Easily Grown. Heavy Yields.

\$3.25 POUND
Prepaid

Sow seed in drills 3 feet apart, using about 4 pounds per acre. Large yield from small pieces of ground. Tonnage per acre enormous.

185. YELLOW BELGIAN—(95 days.) A heavy cropper, easily harvested. Best results in deep soil. Sow 4 pounds to the acre. Roots: 10 to 14 inches long, 3 to 4 inches thick at top; skin: green above ground, pale yellow below. Pkt. 8c, oz. 25c, ¼ lb. 85c, lb. \$3.25, prepaid. —Not prepaid, lb. \$3.00.

Outstanding in Quality

176. STREAMLINER—(78 days.) This modern streamlined carrot has become increasingly popular for the home garden and also for market and roadside stands. Coreless, tapering roots, 10 inches long, with deep orange flesh, fine texture and sweet flavor. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

177. RED CORE CHANTENAY—(72 days.) Valuable for canning and also for market growers. Roots deep reddish-orange, 5½ to 6 inches long, 2¼ inches thick at shoulder, tapered. Core reddish-orange, very inconspicuous. Flesh: fine-grained and tender with a sweet, delicate flavor. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

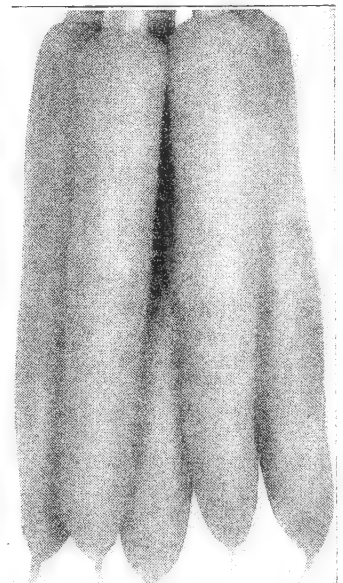
178. TOUCHON—(70 days.) The exquisite flavor of tender young carrots is retained by this variety even when grown to full size. Similar to Nantes in shape, but a little longer. Tops small. The flesh is bright orange, tender, crisp and sweet; the core small and inconspicuous. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

Use Carco to Control Root Maggots on Carrots

Order Early and use it in Time

See Page 21

Streamliner Carrot
Shown in Color on Front Cover.



176. NEW STREAMLINER—PKT. 10c

You Can Enjoy Delicious Young Carrots All Summer by Planting a Short Row Every Two Weeks until August 15th.

Golden Acre,
an attractive variety
for early markets.



Fine Cabbage Seed from Pure Bred Strains

One ounce will produce about 2,500 plants. $\frac{1}{4}$ oz. of seed for 50-foot row.

Culture—The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed $\frac{3}{4}$ inch deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows. Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.

HOTKAPS protect young cabbage plants from frost, wind and hail. Growth is forced and yield increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier and bring premium prices. See page 75.

Late Cabbages

Early Cabbages

121. EARLY JERSEY WAKEFIELD—(62 days.) Extra early small plants with short stems—permitting close setting in the row, and hard, compact pointed heads of splendid quality. A valuable addition to home or market garden. Head: 5 inches thick, weighs 2 to 2 $\frac{1}{2}$ lbs., small, compact, conical, 7 inches long. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.30, lb. \$5.10, prepaid.

126. GLORY OF ENKHUIZEN—(75 to 80 days.) A second early sort particularly valuable for kraut. A good shipper. Head: 8 inches thick, weighs 5 to 8 lbs., large, round, solid, with few outer leaves, of excellent quality. Stem: medium short. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.40, lb. \$5.35, prepaid.

133. EARLY DWARF FLAT DUTCH—(71 days.) A fine medium early sort, a dependable header and good keeper. Withstands heat and is popular for its flavor and tenderness. Head nearly round, weight 4-5 lbs. Plant small with short stem. Pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.30, lb. \$5.10, prepaid.

136. EARLY COPENHAGEN MARKET—(68 days.) Dependably early and uniform; used as an early shipper and desirable also for early kraut. Heads round, solid and of superior quality, weight 3 $\frac{1}{2}$ -4 lbs. An excellent short season type. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.40, lb. \$5.35, prepaid.

138. EXTRA EARLY GOLDEN ACRE—(63 days.) An extra early Copenhagen type, with small round solid heads maturing with Jersey Wakefield. Weight about 3 lbs. Plant dwarf, with few outer leaves. A high quality cabbage for early market. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.40, lb. \$5.35, prepaid.

Yellows Resistant Sorts

134. HOLLANDER. WISCONSIN 8—(100 days.) A splendid late cabbage for storage, shipment and kraut manufacture. A heavy yielder on land infested so badly with yellows disease that other varieties fail completely. Head: 8 inches thick, weighs 8 lbs., large, almost globe shaped, very firm. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.25, prepaid.

135. MARION MARKET—(75 days.) Also known as Wisconsin Copenhagen as it is the Yellows Resistant strain of Copenhagen Market which matures early and uniformly. The round solid head averages 7 inches thick, weighs 4 pounds, has short stem. Good for early kraut. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.25, prepaid.

137. WISCONSIN "ALL SEASONS"—(90 days.) An excellent kraut and winter keeping sort—valuable in areas infested with "Cabbage Yellows"—also resistant to wilt and will survive heat and drought. Head: 11 inches thick, 8 inches deep, weighs 9 to 10 lbs. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.25, prepaid.

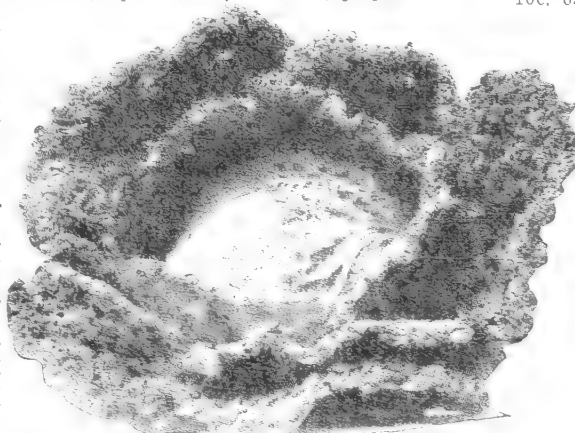
CARCO SPRAY rids your garden of ROOT MAGGOTS

Root Maggots attack your CABBAGE, CAULIFLOWER, CARROTS, ONIONS, BEETS, RADISHES and TURNIPS. Use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions with order. Pint 85c; Quart \$1.40 Prepaid

$\frac{1}{2}$ Pint
60c
Ppd.

140. DANISH BALLHEAD (TRUE HOLLANDER)—(105 days.) The finest late cabbage grown. The head is of an attractive white color, does not burst, and of exceptional flavor, crispness and tenderness. It survives both cold and dry-hot weather. Keeps throughout the winter. For shipping, storage or kraut—it is unsurpassed. Head: 8 inches thick, weighs 6 to 7 lbs., round and extremely solid. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.25, prepaid.

141. DANISH ROUNDHEAD—(95 days.) An early, short-stemmed strain of Danish Ballhead. In yield, head size and quality it is similar to Danish Ballhead, however, it is 10 days earlier and has a shorter stem. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.25, prepaid.



Savoy Cabbage is not often seen in the market and by growing it yourself, you have something unusual—superior in quality, delicate in flavor.

← *Savoy* A Salad Cabbage
Tender and Sweet

150. SAVOY PERFECTION—The head is medium in size, with rich, dark green leaves, deeply crumpled. The flavor is sweet and delicious at any season, but it is never at its best until touched by frost. An excellent keeper and the tenderest of all Cabbages. Used raw in salads and cole slaw, or cooked, the flavor is superb. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.45, prepaid.

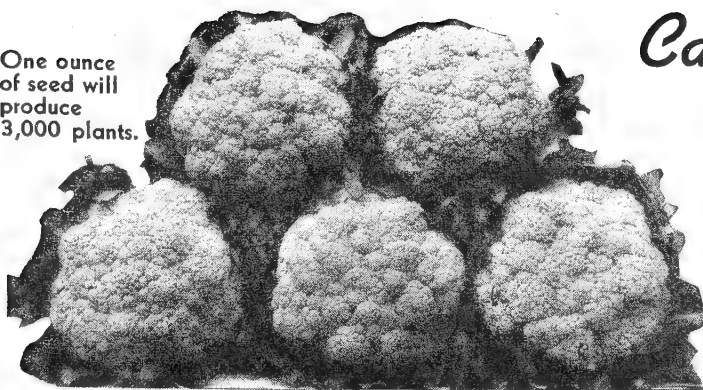
Red Cabbage Distinct in Flavor

152. MAMMOTH RED ROCK—(98 days.) The largest and best of the red cabbages. Of superior quality and an excellent keeper. Head: 7 inches thick, weighs 7 to 8 lbs., round, extremely hard, color purplish red. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, prepaid.



Danish Ballhead
for High Quality Kraut

One ounce
of seed will
produce
3,000 plants.



Super Snowball makes fine large snowy white heads of choicest quality.

CULTURE—The same methods that produce good cabbage will grow good cauliflower. The only great difference is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

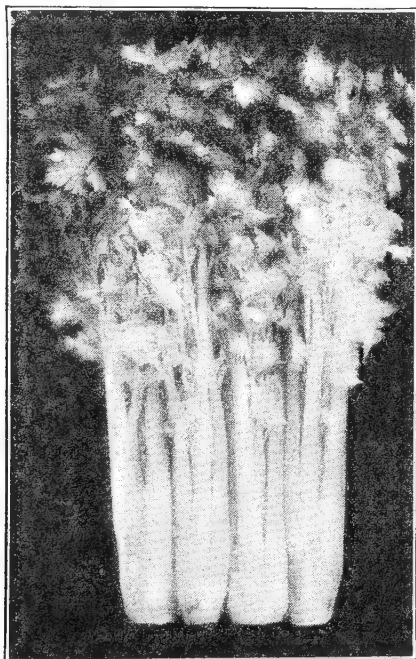
Celery — Crisp and Tender

One ounce of seed will produce 3,000 plants.

CULTURE—Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows.

195. SELECT GOLDEN SELF BLANCHING—(118 days.) Best for early table use, and most popular for market. Bleaches as well as any yellow variety. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness and of fine flavor. Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.75, prepaid.

196. GREEN PASCAL—A very desirable green type. The stalks are medium broad, rounded, thick and solid. The plant is stocky, full hearted and compact and blanches readily. Quality and flavor are exceptionally good. Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.75, prepaid.



Golden Self-Blanching Celery

Cauliflower—White and Purple

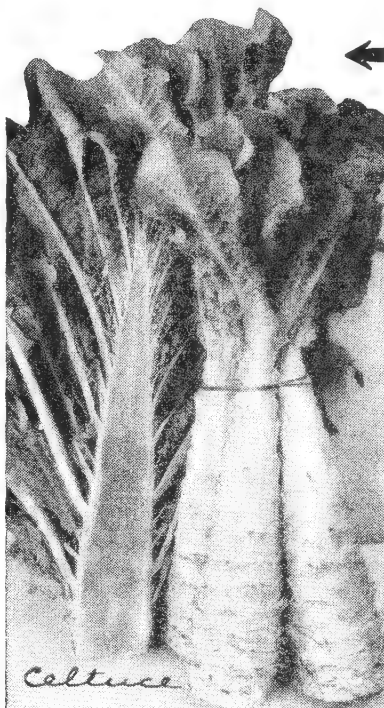
160. EARLY SNOWBALL—(55 days.) Most widely used early variety. Plants are dwarf with short, pale green leaves. A dependable header. Although extra early, it can be planted for late fall and winter use. There is none to equal it in value for forcing under glass for a winter crop. Head: 6 to 7 inches thick, of medium size, firm, compact, solid, pure white, and of finest quality. Pkt. 20c, 1/4 oz. 75c, 1/2 oz. \$1.40, oz. \$2.60, prepaid.

166. SUPER SNOWBALL—(52 days.) This is an extra early strain of the Snowball type. Besides being extra early, the heads of "flowers" mature with greater uniformity, making it possible to harvest a large percentage of the crop in the first cutting. The plants are vigorous and strong, the leaves are well folded or curled over the heads, which are large, uniform in size, deep and solid. Pkt. 25c, 1/4 oz. 80c, 1/2 oz. \$1.50, oz. \$2.70, prepaid.

New Purple Cauliflower

For Color Illustration See Back Cover.

168. PURPLE CAULIFLOWER—(70 days.) Large, compact heads of a beautiful purple color, surrounded by attractively crinkled dark green leaves. Of superior flavor and excellent quality. In cooking, the purple color changes to an attractive green. The seed may be started early under glass, or sown outdoors in June. Purple Cauliflower is quick-growing and disease-resistant. Pkt. 25c, 1/4 oz. 80c, prepaid.



Celtuce

Celtuce A New Vegetable

Combines the uses and flavors of celery and lettuce.

190. CELTUCE—The plants grow quickly, forming a rosette of light green leaves, which when young, may be used as lettuce or boiling "greens." In less than 90 days the stalk is ready for use. The leaves must be removed and the stalks peeled of their tough outer skin. The heart is pale green, crisp and succulent—delicious served raw like celery, or cooked. The flavor, though suggestive of celery, is different and milder. A first sowing of seed should be made as soon as the ground can be worked in spring, and successive sowings at 10-day intervals to provide a continuous supply throughout the season. Pkt. 15c, 1/4 oz. 30c, 1/2 oz. 55c, oz. \$1.00, prepaid.

For Cress or Pepper Grass—See Page 26.

Celeriac Turnip Rooted Celery

This vegetable should be more generally grown.

The roots are used in salads or boiled like parsnips, or turnips, and have a celery flavor. They keep well all winter. Celeriac may be cooked and served with cream sauce, or used as a salad.

199. LARGE ERFURT—Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 10c, oz. 20c, 1/4 lb. 70c, prepaid.

Chinese or Celery Cabbage

157. CHIHILI—Early growing and sure heading, resembling Cos Lettuce, producing large, solid white heads, long and pointed at the top. Leaves are broad, compact, tightly folded and beautifully white and very crisp. Sow after July 1st to avoid flowering. Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

158. WONG BOK—Delicious as a salad vegetable. Heads are thick, oblong, with tightly folded, crisp, white leaves, as tender as those of head lettuce. The flavor is that of very solid cabbage, blended with celery. Do not sow until July to avoid flowering. Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

159. CHINESE CELERY CABBAGE FOR POULTRY—A cheap, green feed of great value for poultry, more productive than lettuce, spinach or mangels. Sow the seed in rows 1/2 inch deep and 24 inches apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. Pkt. 8c, oz. 20c, 1/4 lb. 70c, lb. \$2.60, prepaid.



Wong Bok

Chihili

Soil-borne Diseases Cannot Become Established if You Practice Crop Rotation from Year to Year.

Plant Hybrid Sweet Corns for Greater Yield

One pound will plant 200 hills—12 to 15 pounds per acre.

CULTURE—A rich warm soil will give the best results. Work soil thoroughly before planting. Plant in hills 3 to 3½ feet apart each way, or sow in rows 3½ feet apart, placing the seed about 8 inches apart in the rows. Plant as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.



Golden Cross Bantam—high in quality, tender and sweet—
an excellent canning variety.

Standard Early Strains Open Pollinated Sweet Corn

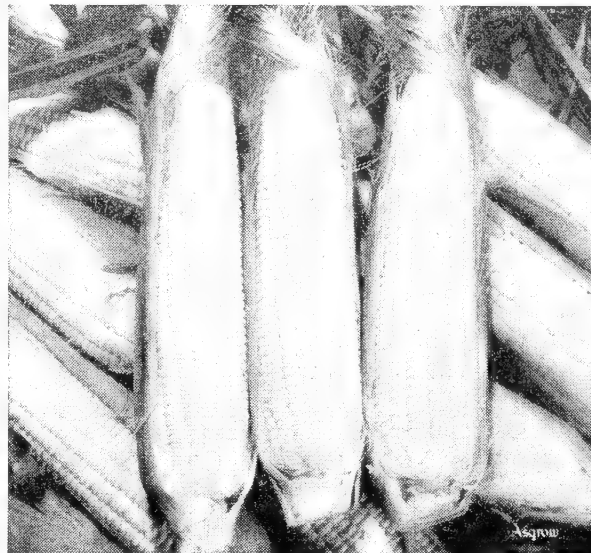
223. EARLY SUNSHINE—(66 days.) Another noteworthy development of the North Dakota Experiment Station. An early yellow variety, with a larger ear, and about 5 days ahead of Golden Bantam. Highly prized by market growers and excellent for home garden. Flavor, tenderness and quality are superb. Ear: 7 inches long; 10-14 rowed, kernels golden yellow, sweet, tender and of good flavor. Stalk, 5½ feet high. Pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid. —Not prepaid, 10 lbs. at 25c per lb.

226. GOLDEN BANTAM—(79 days.) To most home gardeners, sweet corn means Golden Bantam. Also desirable for trucking and canning. It is medium early, dependable and of wonderful quality. Ear: 6½ inches long, 8-rowed. Kernels broad with tender hull, sweet and of exceptionally fine flavor. Stalk: 5 to 5½ feet high. Pkt. 10c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, 5 lbs. \$1.30, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

227. GOLDEN EARLY MARKET—(67 days.) Also known as Golden Hummer. One of the finest extra early yellow varieties for market. Ears have strong husks, 8 to 12-rowed and 6½ inches long. Kernels are golden yellow, tender, sweet and of good flavor. Stalk: 5 feet. Very heavy yielding for such an early sort. Fine for home gardens also. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. at 27c per lb.

245. EARLY GOLDEN SWEET—(67 days.) To develop an extra early variety with the quality of Bantam, has taken many years. Early Golden Sweet proved to be the best of many tested. Ear: 6½ inches long, 12-rowed. It gives you Bantam quality—almost two weeks earlier. Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75, prepaid.—Not prepaid, 10 lbs. at 27c per lb.

The golden yellow kernels of Early Sunshine are sweet and tender.



Iowa Hybrid is highly resistant to drought and wilt.

Hybrid Sweet Corns

249. SPANCROSS—(75 days.) One of the best first early hybrids for the home or market garden. Highly resistant to bacterial wilt. Well tipped ears, 7 inches long, with 10 to 12 rows; kernels golden yellow, sweet and tender. Prices below.

MINHYBRID 202—Five days earlier than normal Bantam but still surpassing it in both quality and yield. Produces 15,000 marketable ears per acre! Fancy quality, extra tender, with high sugar content. Ears: 6 to 8 inches long, 8-rowed, with a few ears 10-rowed; kernels medium, large, yellow. All ears mature uniformly. Prices below.

MINHYBRID 203—Eight days earlier than normal Golden Bantam. Absolutely no other corn so sweet and tender. A real gold mine for the market grower who specializes in quality. Ears: 6 to 6½ inches long, 8-rowed, yellow, maturing evenly. Plant: somewhat shorter and yield is better than that of normal Bantam. Prices below.

244. GOLDEN CROSS BANTAM—(84 days.) An extra heavy yielding Golden Bantam hybrid favored by the leading canning factories. Famous for its large ears, uniformly filled with tender golden kernels of high sugar content. Well adapted to market growing. Stalk 6 ft. high, ears 8 inches long, 10 to 14 rowed. Prices below.

246. IOWANA—All-America Winner. A mid-season 12 to 14-rowed light yellow hybrid sweet corn developed at the Iowa State College. Similar to Bantam Evergreen. Vigorous, resistant to lodging and wilt, and withstands heat and drought. The uniform cylindrical ears are 8 inches long with deep kernels of finest flavor. Valuable for home garden and canning. Prices below.

247. MARCROSS C6.13—(72 days.) One of the earliest hybrids. Developed by the Connecticut Experiment Station as a first early market and home-garden variety. Stalks are only 5 feet tall, but sturdy; highly resistant to Stewart's disease. Ears: 7 inches long, plump, abruptly tapered at tips; 10 to 14-rowed, with light cream-yellow, medium broad kernels of good quality. Prices below.

248. KANNER KING—(85 days.) A main crop Hybrid of superb quality for market, canning or freezing. Large, uniform 8-inch ears, packed with 12-14 rows of rich yellow kernels. Very sweet, tender and of excellent flavor. Prices below.

PRICE OF ALL HYBRID SWEET CORN

Your choice of any Hybrid variety listed above.

Pkt. 12c, ½ lb. 30c, lb. 55c,

2 lbs. \$1.00, 5 lbs. \$2.40, prepaid.—

Not prepaid, 10 lbs. and over at 43c per lb.

Summer-Long HYBRID BLEND

NO. 222. Hybrid Sweet Corn matures very evenly—making a short picking season. To overcome this we offer a special mixture of the hybrids described above. Plant a patch to this superb mixture all at one time, it will supply you with sugary sweet corn maturing continuously in 65 to 90 days. Pkt. 12c, ½ lb. 30c, lb. 50c, 2 lbs. 90c, 5 lbs. \$2.10, prepaid.—Not prepaid, 10 lbs. and over at 38c per lb.

You will want to try Tampala and Rhubarb Chard in your garden this summer.
See page 22 for full description.

Lengthen Your SWEET CORN Picking Season— By Planting The Late Varieties

233. BANTAM EVERGREEN—(85 days.) Developed from a cross of Golden Bantam and Stowell's Evergreen. It has the rich golden yellow kernels of Bantam, and the size and tender hull of Evergreen. Sweet, and of fine quality. Evergreen type of ear with 14-18 rows. Ready for market when most other yellows are overmature. Pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. and over at 25c per lb.

234. OREGON EVERGREEN—(87 days.) A medium late variety which has long been a favorite on the Pacific coast. It has recently been found to produce successfully in the Middle West. We ask canners, home and market gardeners to try this corn. Ear: 7 1/2 to 9 inches long, 14 to 18-rowed, medium thick; kernels clear white, medium length, sweet and of good flavor. Stalks: 7 to 7 1/2 feet. Pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. at 25c per lb.

242. STOWELL'S EVERGREEN—(90 days.) The most popular late variety of sweet corn. Highly desirable for home or market gardening or for canning. Holds its prime condition at eating stage a long time. Ear: 9 inches long, 16 to 20-rowed; kernels clear white, deep medium width, sweet and tender. Stalk: 8 to 10 feet high, sturdy and erect. Pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. at 25c per lb.

243. COUNTRY GENTLEMAN—(93 days.) Here is a late, prolific variety of excellent quality, used widely by canners; also very desirable for home and market gardens. Ear: 7 1/4 inches long; kernels very deep, slender, sweet, with tender hull, and set irregularly without row formation. Stalks: 7 1/2 feet high, often bearing two ears. Pkt. 10c, 1/2 lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. at 25c per lb.

Save Your Sweet Corn Crop WITH "CORNFUME"



To Control Ear Worm

The Cornfume Pump delivers just the right dose in one application. A half-pint treats 300 ears. Apply just before the silk turns brown. Tasteless, Odorless, Harmless and Non-Poisonous when used in Ear Worm Control as directed.

Price prepaid: 1/2 Pint 70c, Pint \$1.10
1/2 Pint Bottle with Cornfume Pump \$1.60

MASTER EAR WORM DUST

Remember what a time you had with ear worm in your sweet corn in the past? Well here's an easy, inexpensive way to put a stop to the ravages of the ear worm this year.

Merely apply "MASTER EAR WORM DUST" when the silks begin to appear. Apply every 10 days until two or three applications have been made.

"MASTER EAR WORM DUST" is very easily and quickly applied, and saves its cost tenfold in enabling you to produce a perfect crop of sweet corn. Full instructions on every package. (Use 40 to 50 lbs. per acre.)

Prices: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 100 lbs. \$5.00.

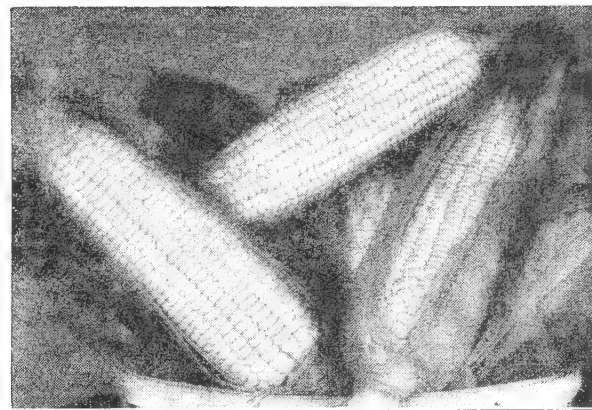
Sweet Corn All Summer

Collection No. 200 (Standard Sorts)

Planted at one time, these will supply your table all summer:

Early Golden Market—Extra Early.
Golden Bantam—Medium Early.
Bantam Evergreen—Late, White.

1 pkt. of each (3 pkts.)... 26c
1/2 lb. of each (1 1/2 lbs.)... 60c
1 lb. of each (3 lbs.)... \$1.00

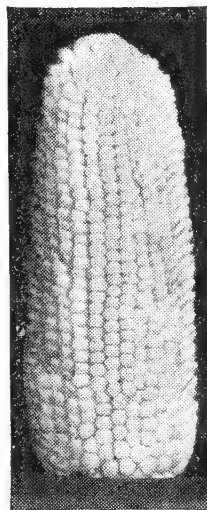


Oregon Evergreen is a delicious late white Sweet Corn.

Treat All Your Seed Corn with BARBAK
The Super Corn Seed DISINFECTANT
Costs less than 2c per acre. See Page 71.

Pop Corn is a Profitable Crop

CULTURE—Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1 1/2 feet apart in the rows. We have discarded all but the outstanding varieties. Such old-timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.



Minihybrid Hulless
Pop Corn

250. MINHYBRID HULLESS—The last word in Pop Corn. Developed by the Minnesota Experiment Station, it far surpasses the old Jap. Hulless—records show a 16% greater yield per acre, and a 29% greater popping expansion. Minihybrid Hulless is the finest Pop Corn obtainable from the standpoint of quality, flavor and tenderness. Pkt. 10c, 1/4 lb. 18c, 1/2 lb. 30c, lb. 50c, 2 lbs. 95c, 5 lbs. \$2.15, prepaid.—Not prepaid, 10 lbs. and over at 38c per lb.

251. VICTORY HULLESS WHITE—This dwarf corn is used extensively by pop corn vendors. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Victory Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. Pkt. 8c, 1/4 lb. 15c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. and over at 27c per lb.

252. "FARIGOLD" SOUTH AMERICAN YELLOW—Pops the largest kernels of any variety, crisp and tender, fine-flavored, of a rich golden butter color. Produces more bushels to the acre, as the ears are large, averaging 7 to 9 inches in length. Though of South American origin, we have matured our own seed crop here in Minnesota, so that the seed we offer will mature earlier. Northern Strain: Pkt. 8c, 1/4 lb. 15c, 1/2 lb. 25c, lb. 40c, 2 lbs. 70c, 5 lbs. \$1.65, prepaid.—Not prepaid, 10 lbs. and over at 28c per lb.

253. NEW "HYBRID GOLD" POP CORN—Developed from South American Yellow, this new hybrid ripens in 105-110 days. Pops to large, flaky, tender kernels of a rich butter color, and is unusually high in popping volume. Hybrid Gold is a profitable variety to grow for the market as it produces greater yields than open pollinated corn. Adapted to Southern Minnesota, Northern Iowa, Wisconsin and South Dakota. Seed supply very limited. Pkt. 10c, 1/4 lb. 25c, 1/2 lb. 45c, lb. 80c, 2 lbs. \$1.50, 5 lbs. \$3.50, prepaid.

Eat More Pop Corn!

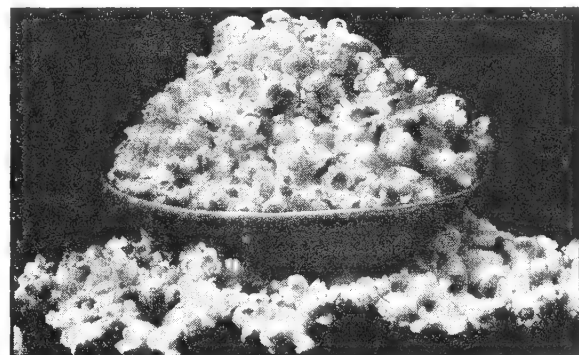
(This corn is for popping only—it is not suitable for seed)

Hybrid Hulless is a Super-quality Pop Corn, high in popping volume, tender and fine-flavored.

NEW HYBRID HULLESS

1 lb. Package 21c } Not
5 Packages for \$1.00 } ppd.

Postage to 3rd zone 12c on 1 lb.
18c on 5 lbs.



Hybrid Hulless pops to flaky, tender kernels of delicious flavor.

Enjoy Sweet Corn late in the season as well as early. Bantam Evergreen is an excellent choice.

Cucumbers

One ounce will plant 50 hills;
three pounds for an acre.

CULTURE—Cucumbers require warm rich soil. When all danger of frost is past, plant in low flat hills, 4 to 6 feet apart each way. Scatter 10 to 12 seeds in a one foot circle in each hill and cover one-half inch. If the soil is naturally poor, work a forkful of decayed manure into each hill before planting. When plants are about 5 inches tall, thin out, leaving the five strongest to each hill. Keep the soil cultivated as long as it can be done without injuring the spreading vines. Kill Squash Bugs and Cucumber Beetles with Pyrocid Dust, see Prices Below.

NOTE: Days from planting to picking are listed here. The letters W. S. and B. S. indicate the white spined and black spined varieties.

For Pickling

255. F. S. & N. CO'S EARLIEST PICKLING—(53 days.) The finest strain of pickling cucumber. It is early, exceptionally vigorous and hardy, and highly productive. Its quality is unsurpassed. Fruit: 6 inches long, 2½ inches thick, straight, smooth, symmetrical, of dark green color; quality and flavor excellent. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.10, prepaid.

257. CHICAGO PICKLING — (59 days.) B. S. (Westerfield Pickling.) Most widely used of the pickling varieties. Also good for slicing. Fruit: 6½ inches long, 2½ inches thick, medium green, square ended, attractive and prolific. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

261. EVERBEARING — (55 days.) B. S. A small, very early variety used for early pickles. Its outstanding feature is that the vines continue to bear throughout the growing season. Fruit: 4½ inches long, 2 inches thick; weight 1¼ lbs., chunky. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.

A Bush Cucumber

Bears its fruit in clusters within a foot of the plant.

254. MINCU — (53 days.) Bears from 8 to 10 fruits within a foot of the hill. Cucumbers average 4½ inches long and 2 inches in diameter, and are suitable for both salad slicing and pickling. The skin is medium green, the flesh white and crisp. Mincu is very early and a heavy cropper. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

For Color Photo of Mincu Cucumber,
See Inside Back Cover.

Large and Small to Fill Your Jars with Crisp Dill,
Appetizing Chunk and Sweet Pickles



For Slicing and Salads

256. STRAIGHT EIGHT—All-America Gold Medal Winner. (66 days.) The most desirable slicing cucumber you can plant. The straight symmetrical fruits grow about 8 inches long and about 1½ inches in diameter. A very convenient size and shape. The color is a rich, deep green. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. \$2.80, prepaid.

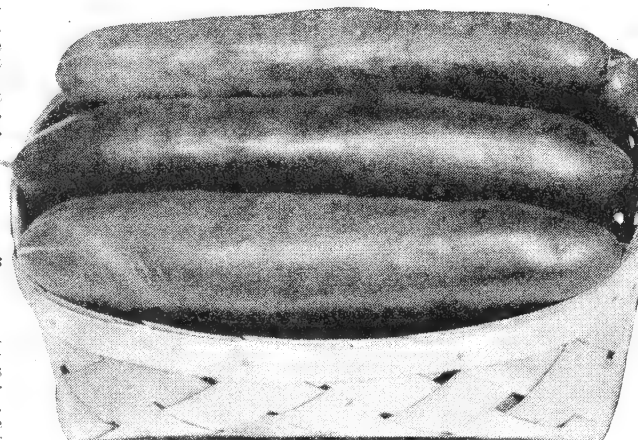
259. "A & C" or COLORADO — W. S. (60 days.) A long, slender cucumber of excellent shape and intense dark green color. The fruits are 8 to 9 inches long and average 2 inches in diameter; they hold their color longer than any other type. Seeds form late in the season and are few. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

260. IMPROVED LONG GREEN—(70 days.) (Black spined.) This is a standard late variety for home garden; excellent for slicing; hardy and prolific. Dependable. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

270. DAVIS PERFECT — (65 days.) W. S. An excellent mid-season variety for shipping or home table use. Splendid quality and appearance. Fruit: 9 to 10 inches long, 2½ inches thick, weight 2 lbs.; dark green, tapered at both ends; flesh crisp and of good quality. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

272. THE LONGFELLOW—(70 days.) W. S. (Vaughan.) Ideal for home garden, forcing or shipping. One of the best long, late varieties. Excellent quality. Perfectly uniform, long, slender shape. Fruit: 12 to 15 inches long, 2½ inches thick; weight 2¾ lbs., dark green, symmetrical and attractive. Holds color and crispness well after picking. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

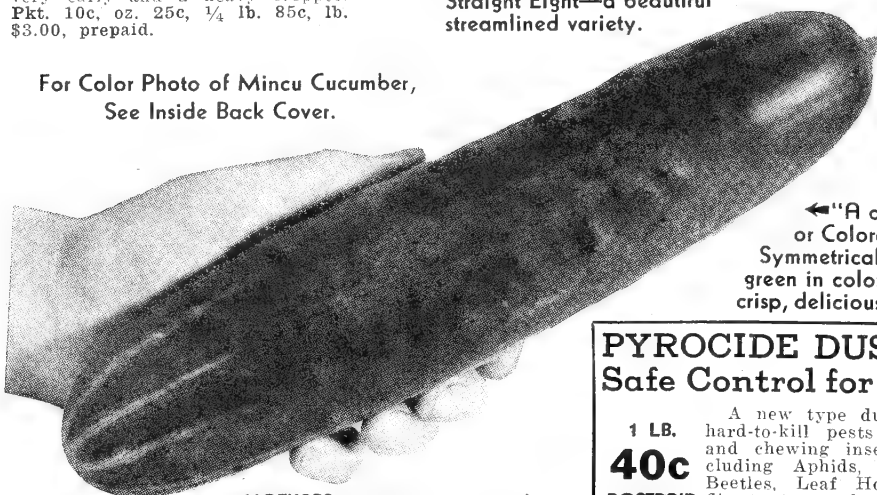
278. TAXPAYER—(Early.) W. S. This striking cucumber is uniformly 9 inches in length, with tapering ends and of an intense dark green color. Produces cucumbers over a long period of time, and many of them. Developed from Early Fortune which was the best seller of all White Spines because of its extreme earliness, and abundant yields. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.



Straight Eight—a beautiful streamlined variety.

For Dill
see

Page 26



←"A and C"
or Colorado—
Symmetrical, dark
green in color, with
crisp, delicious flesh.

HOTKAPS protect young cucumber plants from beetles until the vines begin to run. See page 75.

PYROCIDE DUST—A Quick, Sure Safe Control for Cucumber Beetles.

1 LB.
40c

POSTPAID

A new type dust, so powerful it controls these hard-to-kill pests and most all types of sucking and chewing insects on fruits and vegetables including Aphids, Cabbage Worms, Mexican Bean Beetles, Leaf Hoppers, as well as house pests: flies, ants, roaches, etc.

Not Prepaid, 5 lbs. \$1.25, 25 lbs. \$4.25.

All-Season Cucumber Collection

One Pkt. } Earliest Pickling
Each } Straight Eight
Longfellow

25¢
ppd.

**NON-POISONOUS
PYROCIDE
DUST**

HIGH IN KILLING POWER
UNIFORM

Crisp Lettuce

One ounce will sow 150 feet of row; 4 lbs. plant an acre.

CULTURE OF HEAD LETTUCE

For early crops start seed in hotbed, covering $\frac{1}{4}$ inch. When 2 inches tall, transplant seedlings to 4 inches apart. When ground is warm, transplant to garden, 1 foot apart. For general crop, sow outdoors in April and May and thin out to 10 inches apart.

Head Lettuce

333. COSBERG—(76 days.) An early sure-heading lettuce, that withstands heat and is somewhat resistant to blight. Small, compact heads, firm; light green leaves attractively curled. Cosberg heads under adverse conditions when standard varieties fail. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$3.00, prepaid.

335. CRISP-AS-ICE—B. S. (74 days.) A popular sort for the home garden. Forms compact medium-sized head, well blanched and of delicate flavor. Leaves thick and crumpled; deep green overlaid with dark brown, giving a bronze appearance. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$3.00, prepaid.

338. WONDERFUL, NEW YORK OR LOS ANGELES—W. S. (80 days.) The outstanding shipping variety that combines flavor and tenderness with unusual keeping qualities. Our special strain is noted for the large size of heads. The edges of the dark green leaves are slightly curled and the large, tightly folded cabbage-like head is well blanched, crisp and sweet. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, prepaid.

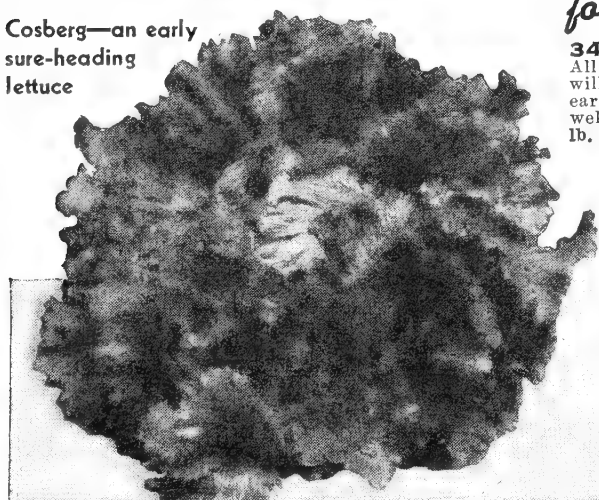
339. IMPERIAL NO. 44—W. S. (83 days.) Heads very large, solid, crisp and sweet; leaves light green and crumpled, with edges curled and waved. Imperial does well under varying weather conditions, and is somewhat resistant to brown blight and mildew. An excellent shipper. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, prepaid.

Romaine or Cos Lettuce

For the Salad Bowl →

330. WHITE PARIS—W. S. (70 days.) Considered the finest of all lettuces in flavor. Famous chefs prefer it for salad because of its tenderness and delicious flavor. Self-folding, with dark green leaves forming oval-shaped heads with greenish-white interior. The entire plant is tender and palatable. Cos Lettuce is easy to grow, slow to bolt to seed during hot weather and does not require much space in the garden as it is upright-growing. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.85, prepaid.

Cosberg—an early sure-heading lettuce



Grow a Continuous Supply in Your Own Garden

Note:—B. S. and W. S. refer to black or white seeded varieties.

CULTURE OF LEAF LETTUCE

Sow outdoors as soon as the ground opens, covering seed $\frac{1}{4}$ inch. When plants are 3 or 4 inches tall, thin out to stand 6 inches apart. In harvesting, cut lettuce above the crown and it will grow new leaves. For fall use, sow in August.

Leaf Lettuce

324. OAK LEAF—(40 days.) Shaped like an oak leaf, deep green in color and therefore exceptionally rich in vitamins, tender and of superior flavor. Oak Leaf stands up well in hot weather and does not turn bitter. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50, prepaid.

See Color Illustration of Oakleaf Lettuce on Inside Back Cover.

325. GRAND RAPIDS—B.S. One of the most popular loose-leafed varieties. Excellent for early planting and greenhouse forcing. It is very early, hardy, and disease resistant and is exceptionally tender when grown under glass. Handsome leaves are light green, broad, wavy, curly and heavily fringed. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.90, prepaid.

326. BLACK SEEDED SIMPSON—Early and dependable in all parts of America. Popular in many home and market gardens. Plant is large, attractive, compact, non-heading. Leaves are light green, broad and frilled; of fine, crisp texture and quality. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.90, prepaid.

327. SIMPSON'S EARLY CURLED—W.S. The most widely used home garden variety. Early, hardy, dependable. Plant is large, compact, lustrous green, non-heading. Leaves broad, frilled, firm, very crisp and sweet—of excellent quality. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.90, prepaid.

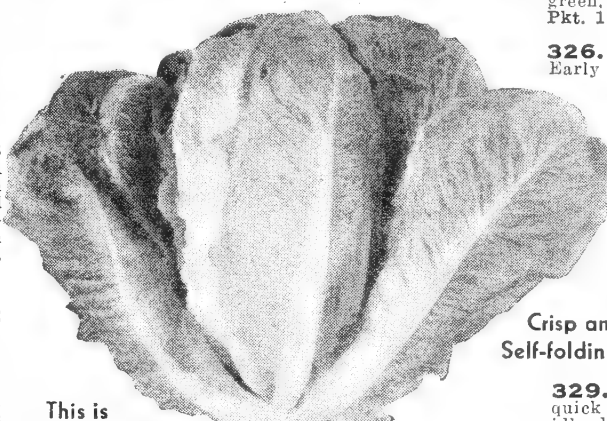
329. PRIZEHEAD—W.S. A very early, quick growing, non-heading sort which is rapidly becoming the most popular loose-leaf variety for home gardens. Leaves are broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.90, prepaid.

Great Lakes

This New Head Lettuce Resistant to Heat

331. GREAT LAKES—(75 days.) This new lettuce is distinguished for its ability to produce tight heads in hot weather, for its resistance to tipburn and for its reluctance to run to seed. Of the Iceberg type, with large thick leaves folding well over the head. Especially bred as a summer lettuce for the Northwest. Pkt. 15c, oz. 60c, prepaid.

Shown in Color on Front Cover.



This is Cos Lettuce,
Grow it for midsummer and early fall use.

Mixed Lettuce for the Small Garden

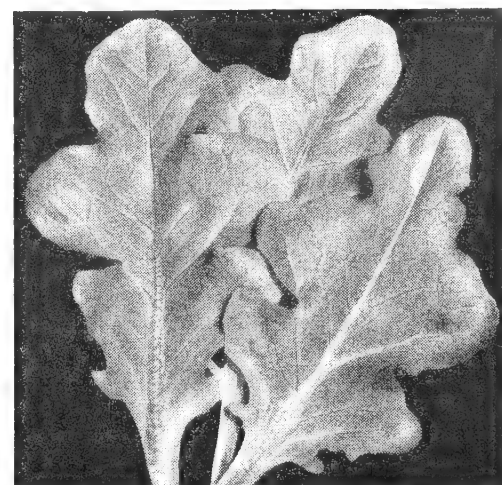
340. MIXED LETTUCE SEED—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75, prepaid.

Chicken Lettuce

341. CHICKEN LETTUCE—Chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.65, prepaid.

For Other Poultry Feed
see Mangels Page 6.

Chinese Celery Cabbage Page 9.



The Tender Dark Green Leaves of Oak Leaf Lettuce are Excellent for Salads.

As a salad lettuce, Romaine or Cos has no superior—the leaves are dark green, sweet and succulent.

MUSKMELONS, *Thick-Meated and Delicious*

One ounce will plant 60 hills.
Two to three pounds per acre.

CULTURE—Muskmelons require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture.



**Golden Gopher
MUSK MELON**

Wilt Resistant

355. GOLDEN GOPHER—85 days. Developed at the University Farm, St. Paul, Minnesota, for resistance to fusarium wilt. Of the Pride of Wisconsin type, with thick fine-flavored flesh, luscious to the very rind. Fruits oval, with light but coarse netting; about 3½ lbs. A winner for early market. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

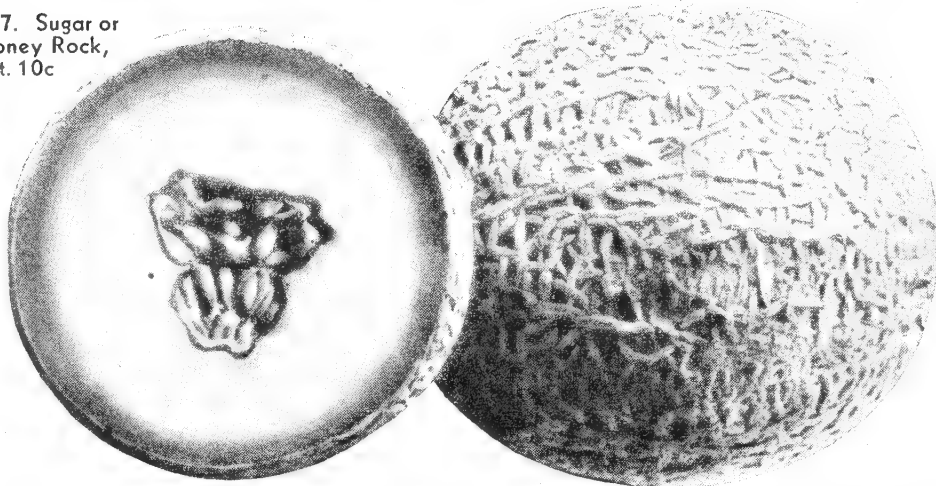
356. PRIDE OF WISCONSIN—90 days. A most attractive new melon, on the outside and when cut. Similar to Honey Rock but heavier and has harder rind, much thicker flesh (which does not soften when mature), and small seed cavity. Therefore a better shipper and keeper than Honey Rock. Rind: very hard, pearly grey, with heavy netting. Flesh: very thick, of good flavor and rich orange color, with compact seed cavity. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

358. HALES BEST—80 days. Popular early shipping cantaloupe. Flavor and quality excellent, and withstands drought. Can be shipped long distances. Fruit: oval, 6½ inches long, almost devoid of ribbing, covered with heavy netting. Flesh: extremely thick, orange color, sweet and of fine flavor. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.60, prepaid.

360. Osage or Miller's Cream has a wonderful flavor. Pkt. 10c



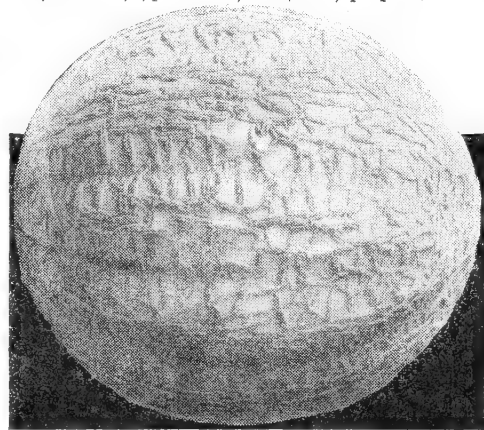
357. Sugar or Honey Rock,
Pkt. 10c



357. SUGAR OR HONEY ROCK—85 days. A money-maker and a source of pride for every grower. Handsome in appearance, distinctive in flavor. Sweet as sugar, solid as a rock and easy to grow. Fruit: nearly round, about 6 inches in diameter. Weight: 4 lbs. Skin grey-green, covered with coarse netting. Flesh: thick, juicy, orange color, with fine flavor. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.60, prepaid.

360. OSAGE OR MILLER'S CREAM—92 days. A popular favorite for home or market and a good yielder. Fruits are oval with slight ribs and netting and dark green skin when immature, ripening to mottled orange and green. Melons are 7 inches long, weigh 5 lbs. Small seed cavity with thick, firm, pink flesh of spicy flavor. A good shipper. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.35, prepaid.

364. HEARTS OF GOLD—95 days. Grown extensively by market gardeners. A good shipping type. Follows the earlier varieties. Quality is splendid. Fruit: 6 inches thick, practically round, covered with fine netting. Flesh: very thick, deep pink, tender, juicy and sweet. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.35, prepaid.



356. Pride of Wisconsin has extremely thick flesh and a hard rind. Pkt. 10c.

359. EARLY LAKE CHAMPLAIN—75 to 80 days. The earliest orange fleshed melon. Fine flavor and quality. Fruit: nearly round, 5 to 6 inches in diameter, slightly ribbed and covered with moderately coarse netting. Flesh: fairly thick, deep orange-salmon in color, juicy and very sweet. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.60, prepaid.

Green Fleshed Melon

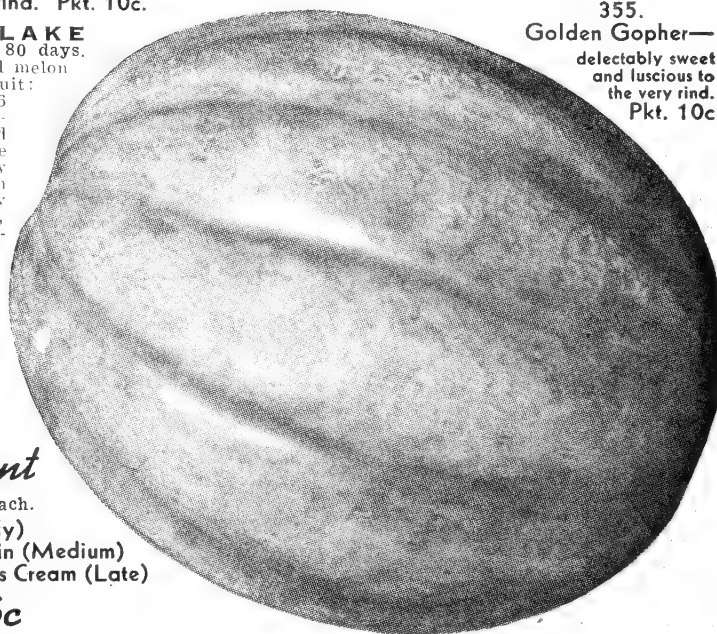
350. MINNESOTA MELTING SUGAR—86 days. The sweetest richest flavored of all green-fleshed muskmelons. Fruit: oval in form, distinctly ribbed and heavily netted. Flesh: very firm, of green color, exceptionally sweet, sugary, juicy and tender, with rich aromatic flavor. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.60, prepaid.

Melons a Month Earlier!

For an early crop, the small gardener may start melon seed indoors in plant bands. These may later be set out in the garden without disturbing the young plants, and covered with hotkaps for protection from cold, as well as from beetles and squash bugs.

See Page 75 for Plant Bands and Hotkaps

355. Golden Gopher—delectably sweet and luscious to the very rind. Pkt. 10c



All Season Melon Assortment

One Packet Each.
Hale's Best (Early)
Pride of Wisconsin (Medium)
Osage or Miller's Cream (Late)

26c

Muskmelons should be left to ripen on the vine, until they come off easily when given a slight pull or twist.

Newest Early WATERMELONS

Improved Wilt-Resistant Strains

Four ounces will plant 100 hills; sow 3 to 4 pounds per acre.

Culture—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the three strongest plants in each hill.

Note—A Ripe Watermelon has a somewhat velvety surface, and a dull rather than a bright appearance. The underside hardens and turns yellow, and the tendril nearest the fruit turns black and shrivels.



375. Dixie Queen.
An early melon of excellent quality. Pkt. 10c.

375. DIXIE QUEEN—(85 days.) A new early melon of excellent quality. It is semi-round, with a thin tough rind and stands shipping. The color is light green alternately striped with dark green. Weight about 32 pounds. The flesh is bright red, crisp and sweet, and the few seeds are small and white. Pkt. 10c, oz. 20c, ¼ lb. 55c, ½ lb. 95c, lb. \$1.75, prepaid.

Home Garden Watermelon Collection

ONE PKT. EACH	Early Kansas Will Rogers Klondyke Sugar	25c
One ounce of each for 45c prepaid.		



374. Early Northern Sweet.
Ripens in 9 to 10 Weeks!

374. EARLY NORTHERN SWEET—Here's the newest thing in watermelons for the North. Introduced by Minn. Experiment Station, and the seed was originally brought in from Russia. This amazing melon ripens in 9 to 10 weeks from planting. Of an attractive green color, striped with lighter green. Flesh is dark red and tender, with a rich sugary flavor. Weighs 9 to 10 lbs. Splendid for early market or home garden. It is important that melons be picked as soon as they ripen, otherwise flesh tends to become slightly stringy. Pkt. 10c, oz. 18c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.40, prepaid.

One of the Sweetest Melons

372. PRIDE OF MUSCATINE—(85 days.) A high quality wilt resistant melon for the home garden. Not suited to shipping because of its rather thin skin. Large, long, cylindrical fruits, weighing 30 to 40 lbs., of a rich, glossy, dark green color. The crisp, scarlet flesh is very sweet, and entirely free from fibre. Pkt. 10c, oz. 18c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.40, prepaid.

382. WINTER MELON — (78 days.) Here's a sweet luscious watermelon for your Thanksgiving dinner, from your own garden. An early sort, very prolific and an excellent shipper. This melon will keep 2 months after picking if properly stored. Fruit: small, weight 10 lbs., round, pale yellow when ripening. Flesh: bright red, crystalline, very sweet. Pkt. 8c, oz. 15c, ¼ lb. 40c, ½ lb. 70c, lb. \$1.25, prepaid.

383. KLECKLEY'S SWEET—(85 days.) A splendid medium early variety, especially desirable for home garden use and for truckers serving local markets. It will not stand long distance shipping. A melon of outstanding quality and unusual sweetness. Fruit: large, weight 30 to 40 lbs., cylindrical dark bluish green, with thin tender rind. Flesh is bright red, tender and extremely sweet. Seeds white. Pkt. 8c, oz. 15c, ¼ lb. 40c, ½ lb. 70c, lb. \$1.25, prepaid.

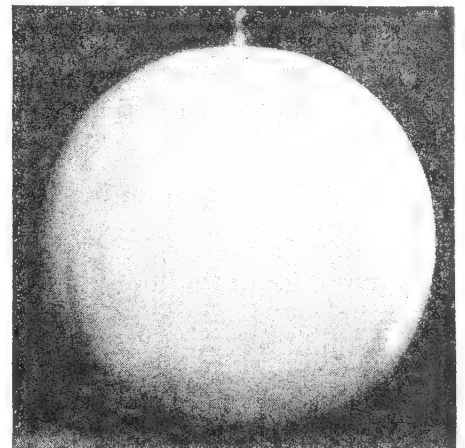


387. Klondyke Sugar. Popular because of its sweetness and delicious flavor. Pkt. 10c.

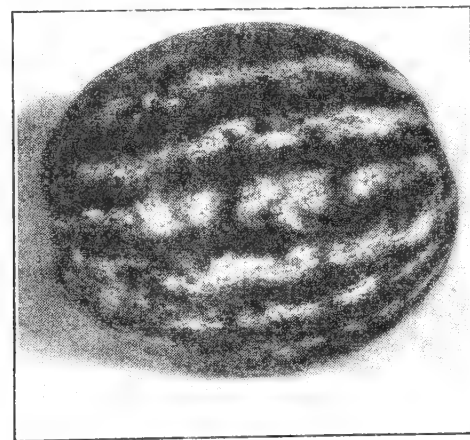
387. KLONDYKE SUGAR—A Wilt Resistant Melon—(90 days.) For edible qualities and attractive appearance Klondyke is surpassed by no other melon. Solid dark green in color, with slight ribs running lengthwise. The rind is thick enough to stand shipping. Weight 25 pounds. The flesh is scarlet to the rind. A truly delicious melon, high in sugar content. Pkt. 10c, oz. 20c, ¼ lb. 55c, ½ lb. 95c, lb. \$1.75, prepaid.

384. WILL ROGERS—(88 days.) Another new early melon of the Stone Mountain type, often growing to enormous size. Average size 14 by 12 inches; weight 35 lbs. Shaped like Stone Mountain, with white seeds tipped black. Skin is dark green, and flesh is bright red—of good quality. Pkt. 10c, oz. 18c, ¼ lb. 45c, ½ lb. 80c, lb. \$1.40, prepaid.

390. CITRON — For making preserves. Flesh: clear white and solid. Fruit: round and smooth, quite small. Pkt. 10c, oz. 18c, ¼ lb. 45c, ½ lb. 80c, prepaid.



382. Winter Melon—A long-keeping melon that you can enjoy for your Thanksgiving dinner.



369. Early Kansas has rich red flesh, a thin rind and very solid center. Pkt. 8c.

369. EARLY KANSAS—(Also known as Red Russian or Red Seeded Hutchinson.) (85 days.) A new melon of genuine merit. It has suddenly become very popular on the markets of the Midwest, due to its earliness combined with large size, and its attractive appearance—plus fine quality. The skin is dark green with alternate stripes of a lighter shade. The rind is of medium thickness—well suited for carrying reasonable distances—and the flesh is a rich red color, of delightful flavor. Average size 15 by 13 inches; weight 40 lbs. Seeds brown. Pkt. 8c, oz. 15c, ¼ lb. 40c, ½ lb. 70c, lb. \$1.25, prepaid.

Leek

A Species of Onion

Though belonging to the onion family, the flavor is milder and subtly different when used in soups and stews.

For white tender Leeks, transplant when six inches tall to shallow trenches setting plants 3 inches deep and gradually let the soil fill in. In fall, ridge the soil about the plants so as to blanch the stems.

312. LONDON FLAG—Stems 8 to 10 inches long, 1½ inches thick, white and attractive. Pkt. 15c, ½ oz. 60c, 1 oz. \$1.00, prepaid.

Mustard

Used for Greens Same as Spinach

315. FORDHOOK FANCY—A handsome, mild variety, slow to bolt seed stalks; leaves bright green, plume-like, with fringed edges. Delicious as a salad, or cut and boiled like spinach. The reddish-brown seed is used for flavoring and in pickles. Pkt. 8c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.

Grow Your Own

FREE
LEAFLET

Mushrooms

"How to Grow Mushrooms" with every order

You can plant cubes of mushroom spawn beneath the sod in spring, and if the season is not too wet, mushrooms will appear in fall. Avoid planting in depressions.

NOTE—This method advised for home use only, not for commercial production.

Pure Brick
Spawn
40c each,
ppd.

Not Prepaid
5 bricks
\$1.65

10 Bricks
\$2.75



Okra or Gumbo for Delicious Soups

Okra pods are used in soups, stews, salads, catsup and relishes, and are very popular in the South. The pods should be gathered each day, while they are tender and pulpy. They are at their best when from one to three inches long. Okra is a hot weather plant and the seed should not be sown until late May when the ground is thoroughly warm.

217. DWARF GREEN—Grows low, is very productive. Pkt. 10c, oz. 20c, ¼ lb. 50c, prepaid.

Order Onion Sets & Plants Early



We Feature Small Size Sets Only
More Sets per lb. and Better Quality

One pound for 25 feet of row; 12 bu. per acre
(32 pounds equal 1 bushel)

Shipment after March 15, prepaid to third zone only (300 miles). Add 5c lb. extra postage for shipments beyond.

Onion sets should be planted as early in spring as the ground can be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively made late into the summer, as long as the sets remain in good condition.

YELLOW BOTTOM SETS—The onions commonly planted in the home garden for early green onions, also for later use. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.25, prepaid.—Not prepaid, pk. \$2.10.

RED BOTTOM SETS—Very short crop. Price same as yellow sets. We reserve right to substitute if sold out. None available.

WHITE BOTTOM SETS—Very short crop. We reserve the right to substitute if sold out. Price: Lb. 40c, 2 lbs. 70c, 4 lbs. \$1.30, prepaid.—Not prepaid, pk. \$2.25.

YELLOW MULTIPLIERS—Flavor much superior to ordinary onions. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.25, prepaid.—Not prepaid, pk. \$2.10.

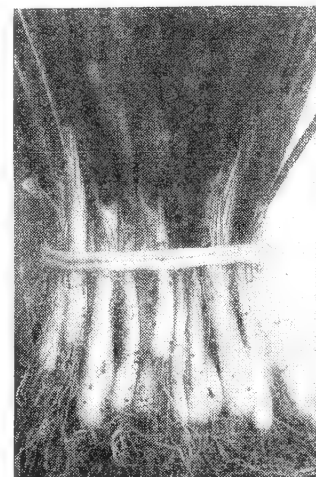
EBENEZER OR VICTORY ONION SETS—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long-keeping quality, and freedom from going to seed. Ebenezer sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 35c, 2 lbs. 65c, 4 lbs. \$1.25, prepaid.—Not prepaid, pk. \$2.10.

Bermuda Onion Plants

Started in Texas from the finest strains of onion seed, the plants are lifted and shipped to be replanted in northern gardens. They will produce mild-flavored young green onions in the shortest possible time, or allowed to develop, will quickly grow to creaming or slicing size. Plant in rows 16 inches apart.

We can usually supply the following varieties: Yellow Bermuda, Crystal Wax, Prize-taker and Valencia, but in case of shortage we reserve the right to substitute.

Orders will be shipped at proper time for setting out. We prepay to third zone only (300 miles). Beyond that, at customer's risk. 40,000 plants are required to plant an acre. Yields of 50-75 bu. from 6,000 plants are reported. All orders booked subject to crop.



Price Prepaid
to 3rd zone

2 Bundles

55c

5 Bundles

\$1.25

10 Bundles

\$2.25

Not Prepaid

Per Case of

60 Bundles

WRITE FOR
PRICE

Weight of

Case 35 lbs.

Bundles Con-

tain 75 to

100 Plants

Onion Plants not available after May 1st

Garlic Sets

Used for flavoring stews, soups, meats, dressings and sauces. Garlic is a perennial, a member of the onion family, but of much stronger flavor. The bulb separates beneath a thin, papery skin into divisions or "cloves." These cloves are planted in rows 12 to 18 inches apart and 4 to 6 inches apart in the row and covered with an inch or two of soil. When the tops have died, the bulbs are pulled, braided together by their tops and hung in a dry, airy place to cure. ½ lb. 35c, lb. 60c, 5 lbs. \$2.75, prepaid.—Not prepaid, 10 lbs. \$4.75.



For Chives Plants see Page 27



FOR GARDENS, LAWNS SHRUBS—PLANTS—TREES

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor.

Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30 x 40 ft. (Use 2 to 4 lbs. per 100 sq. ft.).

Price: 5-lb. pkg. 45c, 10-lb. pkg. 85c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00, f. o. b. Faribault. Detailed instructions in each package.



NEW VICTORY GARDEN FERTILIZER

Makes things grow—prepared especially for food production, according to the Department of Agriculture recommendations. Full instructions for use with each package. Price: 5-lb. pkg. 50c, 10 lbs. 80c, 25 lbs. \$1.40, 50 lbs. \$2.25, 100 lbs. \$3.50, f. o. b. Faribault.

Dependable Onion Seed

One ounce will sow 100 feet of drill; 5 pounds per acre.

CULTURE—The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering $\frac{1}{2}$ inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

Long-Keeping Winter Onions

395. SOUTHPORT RED GLOBE—113 days. The finest of the red onions. Bulbs perfectly round, of good size, with small neck and thick, deep purplish red skin; flesh white, tinged with pink; a wonderful keeper and a heavy yielder. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

396. EXTRA EARLY YELLOW GLOBE—98 days. A money-maker for the early market. Ten days earlier than Southport Yellow Globe, and an exceptionally good keeper for so early a variety. Bulbs semi-globe shape, solid, uniform and attractive, with deep yellow color. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

397. MINNESOTA SOUTHPORT YELLOW GLOBE—112 days. A handsome, golden yellow globe, with tough, clinging skins. Flesh white, with creamy tone. Will keep in storage longer than any other. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

403. LARGE RED WETHERS-FIELD—100 days. Used extensively for sets and for storage. Bulbs medium large, flat on the bottom, with sloping top. Skin deep purplish-red; flesh white, slightly flushed with pink, fine-grain and firm. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, lb. \$6.50, prepaid.

Brigham Yellow Globe

A good keeper

404. BRIGHAM YELLOW GLOBE—110 days. Highly productive, with exceptional keeping qualities. Bulbs globular with rounded bottom; a deeper blockier type than Yellow Globe Danvers; solid, well covered with tight-fitting thick skins. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

407. YELLOW GLOBE DANVERS—110 days. A popular strain of Yellow Globe. Hardy and a good cropper; used largely for storage. Bulbs medium large, round, yellow, firm, with small neck. Flesh white, with slight yellow tone. Pkt. 10c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, lb. \$6.00, prepaid.

398. MINNESOTA SOUTHPORT WHITE GLOBE—110 days. A very attractive pure white onion. Bulbs round, solid, medium sized, with thin delicate skin. Flesh waxy white, fine grained and mild. Keeps well in fall storage. Pkt. 10c, oz. 55c, $\frac{1}{4}$ lb. \$2.00, lb. \$7.50, prepaid.

405. WHITE BERMUDA OR CRYSTAL WAX—90 days. Both skin and flesh clear white; of mild delicate flavor. Bulbs very flat; medium sized. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.85, prepaid.

Onions for Bunching

408. ONE-A-MEAL—(Perennial.) A Giant Chinese Green Onion. Stems grow 25-30 inches in length, with a $2\frac{1}{2}$ inch diameter, and with a single stalk often weighing two pounds and over. Long-standing and tender, with a very mild flavor, the tall white stems do not produce a bulb. An excellent green onion for early market as it grows quickly, needs no bunching, and always sells at top price. Pkt. 15c, oz. 70c, $\frac{1}{4}$ lb. \$2.50, prepaid.

409. CHINESE EVERGREEN WHITE BUNCHING—(Perennial.) A bulbless bunching variety, grown for its long, slender, pure white stems. Tender and of delicate flavor, the onions are produced in clusters of four to nine, and are double the size of ordinary bunching onions. Pkt. 10c, oz. 60c, $\frac{1}{4}$ lb. \$2.00, prepaid.

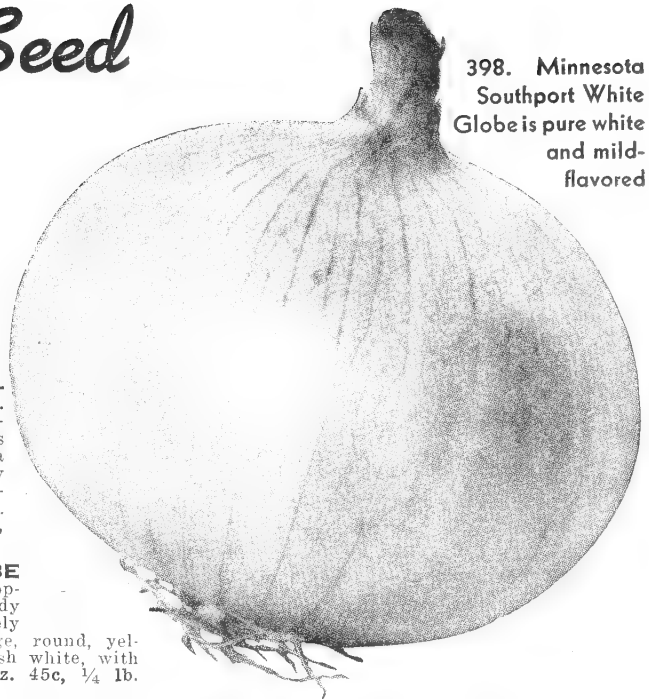
410. EARLY WHITE WELSH—A hardy perennial, used exclusively for green bunching onions. This variety does not produce bulbs, but provides a good crop of the finest green onions for the market early in spring, in advance of those from sets. They may be left in the ground for years. Seed may be sown in August and September for extra early crop in spring. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.85, prepaid.

415. EARLY WHITE BUNCHING ONION—(Annual.) Here's an exceptionally early green bunching onion. An annual which forms small bulbs for green table onions—of real quality and mild flavor. Used by leading gardeners for the early market. Pkt. 10c, oz. 60c, $\frac{1}{4}$ lb. \$2.10, prepaid.

These for Pickling

411. WHITE PORTUGAL OR SILVER SKIN—(Medium Early.) The most widely used white onion. It might be called an all-purpose variety, as it is excellent for sets, as a pickler, for green bunching and for storage. Bulbs: medium size, thick-flat, clear white, hard, fine grained and of pleasing flavor. It is a dependable cropper. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.85, prepaid.

398. Minnesota Southport White Globe is pure white and mild-flavored



Large Mild Onions for Slicing

412. SWEET SPANISH OR VALENCIA—110 days. A mild, sweet, giant onion, of the true Spanish or Bermuda type. Bulbs globular with small neck, pure white, firm and delicious at all stages of growth. Pkt. 10c, oz. 55c, $\frac{1}{4}$ lb. \$2.00, lb. \$7.75, prepaid.

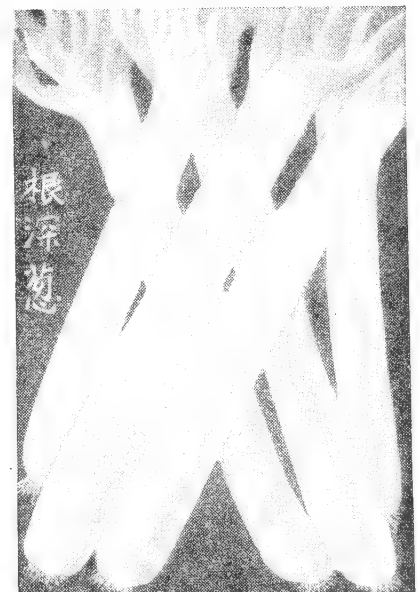
414. MIXED ONION SEED—Will furnish a supply of onions all summer and for winter storage, as it contains a mixture of all varieties. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.50, lb. \$5.75, prepaid.

CARCO SPRAY CONTROLS ROOT MAGGOTS

Root Maggots attack your CABBAGE, CAULIFLOWER, CARROTS, ONIONS, BEETS, RADISHES and TURNIPS. Use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions.

Pint 85c; Quart \$1.40 Prepaid.

$\frac{1}{2}$ Pint
60c
ppd.



One-A-Meal, Chinese Bunching Onion

Why You Should Use SEMESAN on all Vegetable and Flower Seeds

- 1—It insures better germination by sterilizing the soil around the seed, making it immune to attack by soil-borne diseases.
- 2—It prevents damping-off of seedlings.
- 3—Insures an even stand in the garden.
- 4—Helps to produce bigger and better crops.

Semesan is a simple easy-to-use dust treatment. Directions with each package.

$\frac{1}{3}$ -oz. pkt. 10c, 2-oz. can 40c, prepaid.—Not prepaid 1 lb. \$2.50, 5 lbs. \$11.40.





Luscious Peas from Your Own Garden

Extra Early Peas

447. EARLY ALASKA—(55 days.) (Smooth seeded.) The first early variety for market gardeners. Also very extensively used for canning. Crop matures evenly. Our strain is noted for its pod size and productivity. Vines: 30 inches long. Pods: light green, round, contain 6 to 8 peas of good quality. Seeds: small, round, smooth, bluish green. Mammoth pkt. 8c, 1/2 lb. 18c, lb. 30c, 5 lbs. \$1.40, prepaid.—Not prepaid, 10 lbs. at 21c per lb.

Inoculate Pea Seed with LEGUME-AID.

It Increases Yield.
Improves Quality.

Legume-Aid causes nodules to develop on the roots of the peas. These nodules gather nitrogen from the air and convert it into plant food, thus storing plant food in the soil. Legume-Aid contains all the essentials for healthy bacterial growth.

Garden Size Packet,
Treats Up to 5 lbs. Peas,
Beans, or Sweet Peas. **10c**
ppd.
Full Directions with each Packet.



Laxton's Progress—Early, large-podded, heavy-yielding and of excellent quality.

Dwarf Early Wrinkled Peas

460. THOMAS LAXTON—(58 days.) A popular early variety highly prized by shippers and canners. Quality and yield are excellent. Vines: 33 inches high, medium green and heavy. Pods: 3 3/4 inches long, plump, broad; contain 7 to 8 large tender peas of good quality. Seeds: cream and green, wrinkled. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

461. LAXTON'S PROGRESS—(60 days.) The largest podded and most attractive of the Laxtonian family. A good sort for shipping to distant markets, also for home and market garden planting. Of fine quality and abundant yield. Vines: 17 inches high, medium dark green. Pods: 4 1/4 inches long, dark green, handsome; contain 7 to 9 large peas of good quality. Seeds: large, wrinkled, cream with green color. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

470. GIANT LAXTONIAN—(60 days.) Here is the best known of the early, dwarf, large podded sorts. Used largely for home gardens and by truckers and shippers. Our featured strain has exceptionally large pods. Vines: 18 inches high, dark green; "top off" well at maturity. Pods: 4 1/2 inches long, broad, dark green, contain 7 to 8 large succulent peas. Seeds: yellow and green, wrinkled. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

471. LITTLE MARVEL—(60 days.) Outstanding among the older varieties of dwarf peas, Little Marvel continues to be extensively used on account of its exceptional quality and yield. Valuable for home garden and early shipping. Vines: 18 inches high. Pods: 3 inches long, plump, well filled with 7 to 8 tender peas. Seeds: light green, squarish, wrinkled. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

472. AMERICAN WONDER—(58 days.) Our stock of this old popular pea is the true extra-dwarf, early strain. Well suited to home gardening and highly productive. Vines: 12 to 14 inches high, dark green. Pods: 2 3/4 inches long and filled with 6 peas. Seeds: wrinkled, square, green. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 23c per lb.

474. PREMIUM GEM—(63 days.) A highly productive, medium early variety good for home gardening and for canning. Vines: 20 inches high, dark green. Pods: 2 3/4 inches long, light green, contain 6 to 7 peas. Seeds: wrinkled green. Mammoth pkt. 10c, 1/2 lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 23c per lb.



Kerr Home Canning & Recipe Book Illustrated in Natural Colors

An enlarged and attractive edition, which contains valuable information on every phase of Home Canning and more than 300 Tested Recipes. Instructions and Recipes are simple enough for the beginner, yet so complete as to be invaluable in the home.

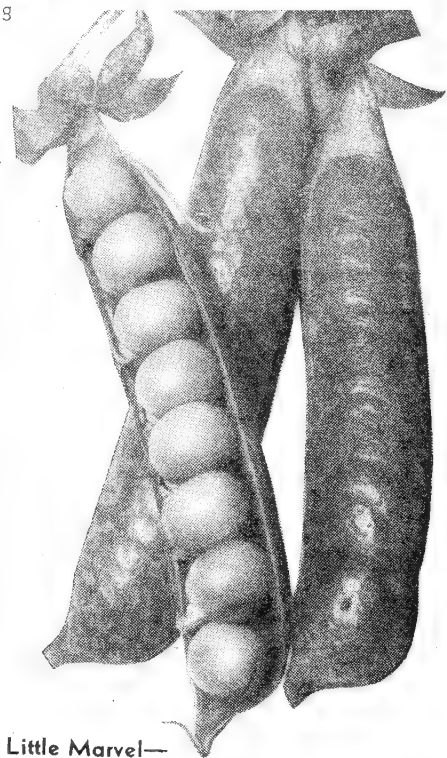
55 Pages — Price 10c ppd.

Free—Your choice of this book (or Garden Book offered on page 4) with a \$2.00 order for Garden Seeds or with a \$5.00 order for Field Seeds. Ask for it.

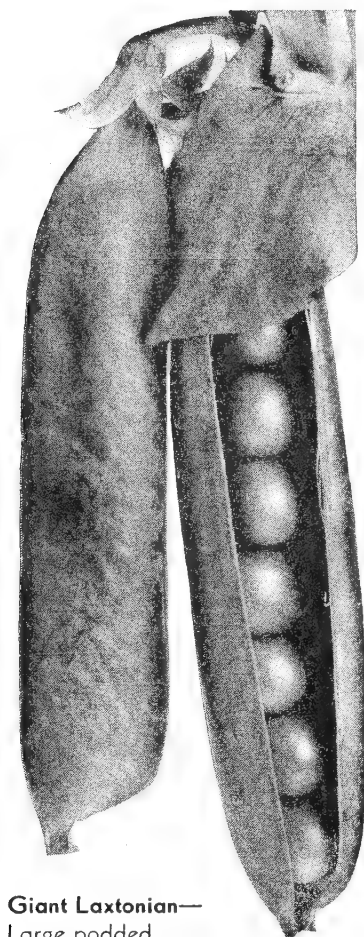
Plant Them Early!

One pound will plant 100 feet of drill

CULTURE—Peas are a cool-weather crop and must be planted as soon as the ground can be worked in spring. A rich, light soil is required and plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. (See page 76.) Sow in rows 2 feet apart and 2 inches apart in the row. Avoid crowding, as closer planting will produce no greater crop. Tall varieties must be supported with light stakes or brush.



Little Marvel—
Finest Dwarf early Pea—of delicious flavor



Giant Laxtonian—
Large podded,
contains 7-8 large succulent peas.

F. S. & N. Co's

Succession Collection

Fresh Peas All Summer!

IMPORTANT—All varieties in this collection must be planted at one time, as early in the spring as the ground can be worked, and they will mature in succession.

Early Alaska (55 Days) Little Marvel (60 Days) Potlatch or Big Dinner (78 Days)	
1 pkt. of each (3 pkts.) . . . 25c	} Ppd.
1 lb. of each (1 1/2 lbs.) . . . 50c	
1 lb. of each (3 lbs.) . . . 90c	

To Eat Fresh and to Can —

Tall Main-Crop Peas

Late Peas should be planted early, as they yield better. Plant them 3 inches deep and 3 inches apart in the row. Brush provides the best support, but if not obtainable, chicken wire fastened to stout stakes may be used. The supports should be placed as soon as the peas are planted.

475. TENDER GIANT—(73 days.) A medium late, large podded variety maturing after the early dwarf varieties and before the other large podded main crop sorts. Its sweetness and quality cannot be improved upon. A nation-wide favorite as a canning pea. Vines: 27 inches high. Pods: 4 inches long, contain 6 to 8 large tender peas. Seeds: large, green, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.55, prepaid.—Not prepaid, 10 lbs. at 25c per lb.

480. POTLATCH OR BIG DINNER—(78 days.) One of the very finest late varieties for home garden and for shipping to distant markets. Potlatch is famous for its heavy yield of immense pods bearing many large luscious peas of delicious flavor. Vines: 26 inches high, deep green. Pods: 4½ inches long, ¾ inch wide; contain 8 to 10 tender, succulent peas. Seeds: large, wrinkled, green. Mammoth pkt. 10c, ½ lb. 22c, lb. 40c, 5 lbs. \$1.70, prepaid.—Not prepaid, 10 lbs. at 27c per lb.

484. EVERBEARING—(74 days.) An extra long bearing period makes this a popular variety. Everbearing is resistant to Fusarium wilt, and is noted for its quality. Vines: 32 inches high. Pods: 4 inches long, plump; contain 4 to 5 large peas of sweet marrowy flavor. Seeds: very large, light green, flat, wrinkled. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

501. QUITE CONTENT—(74 days.) We receive more enthusiastic reports on Quite Content than on all other tall peas. It has immense pods, filled with extra large, quality peas. Vines: 45 inches high. Pods: 4¾ inches long; contain 8 to 9 large, tender peas. Seeds: wrinkled, large, green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

Edible Pod or Sugar Peas

Are Cooked and Eaten like String Beans

The young pods are sweet and delicious if picked just when the peas are beginning to form in the pod.

492. DWARF SUGAR—(68 days.) Sugar Peas have the tenderness and fleshy podded qualities of snap beans, and the flavor and sweetness of fresh green peas. When young, pods are stringless, brittle and succulent. The vines grow to a height of 26 inches, and should be given support of string or brush for best results. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

Grow Your Own Peas For Split Pea Soup

495. CANADA SOUP PEAS—(85 days.) Resistant to Fusarium Wilt. A very productive late pea grown extensively for dry use. The plants grow very tall and bear an abundance of light green, blunt pods. The seed is small, smooth, creamy white. Mammoth pkt. 8c, ½ lb. 15c, lb. 28c, 5 lbs. \$1.20, prepaid.—Not prepaid, 10 lbs. at 20c per lb.

505. TALL TELEPHONE—(73 days.) A standard mid-season variety. Produces an abundant yield of immense pods filled with large tender peas of excellent flavor and quality. Vines: 45 inches high, dark green. Pods: 5 inches long, plump. Seeds: large, wrinkled, light green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

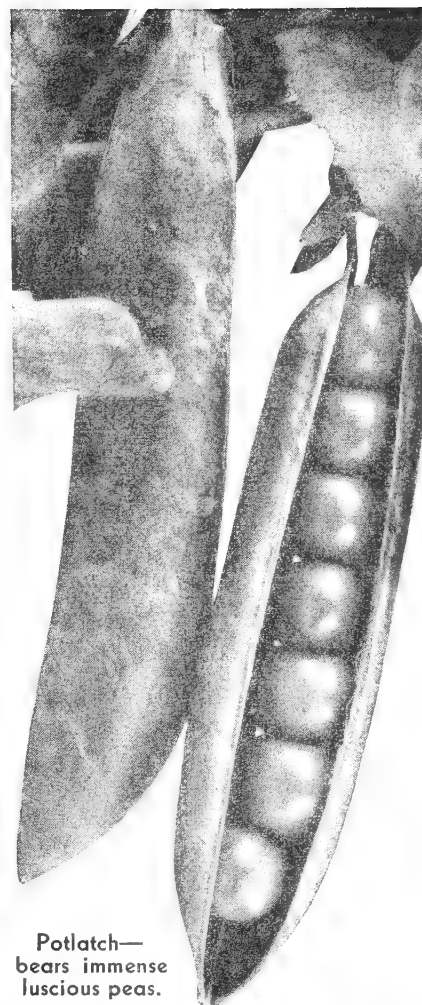
506. CHAMPION OF ENGLAND—(79 days.) A well known late variety. A great climber and heavy yielder. Vines: 54 to 60 inches high. Pods: 3 inches long, plump; contain 7 to 8 peas of good quality. Seeds: large, wrinkled, light green. Mammoth pkt. 10c, ½ lb. 20c, lb. 35c, 5 lbs. \$1.50, prepaid.—Not prepaid, 10 lbs. at 24c per lb.

The Secret of Success In Growing Peas

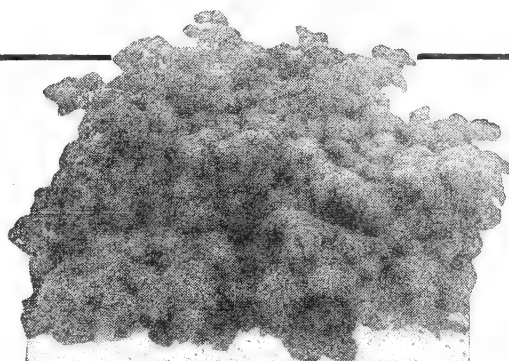
Instead of planting at 2 or 3 week intervals, plant the early, midseason and late varieties all at one time in early spring, just as soon as the ground can be worked, and the different varieties will bear in steady succession.

Plant before April 19th if possible—if a heavy snow wets them down, your success is almost assured.

Peas Best Suited to Quick Freezing are—
Alaska
Thos. Laxton
Laxton's Progress
Giant Laxtonian



Potlatch—bears immense luscious peas.



The beautiful rich green leaves of Curled Parsley are high in food value.

Parsley

One ounce will sow 150 feet of drill.

Sow seeds as early in spring as possible, in shallow drills, covering with about ½ inch soil. Three to four weeks are required for germination.

430. MOSS CURLED—Dwarf and compact in habit, with densely curled and finely cut leaves of a rich dark green color. Should be freely used in salads, soups and sauces, as it is a valuable source of vitamins A, C, and B₁, and it supplies calcium, phosphorus, iron and copper. Pkt. 10c, oz. 15c, ¼ lb. 50c, ½ lb. 80c, lb. \$1.50, prepaid.

431. HAMBURG OR THICK-ROOTED—The thick fleshy roots form the edible part of the plant, and impart a delicate Parsley flavor when used in soups and stews. Pkt. 10c, oz. 15c, ¼ lb. 50c, ½ lb. 80c, lb. \$1.50, prepaid.

Parsnips

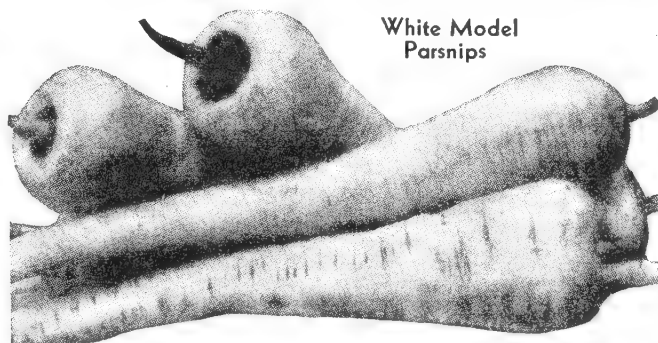
One ounce will sow 150 feet of drill.

Sow outdoors about April 15th in drills 2 feet apart; cover seed with ½ inch soil; thin out to 4 inches apart. To aid quick and proper development plow or spade the soil deeply before planting. Parsnips remaining in the ground over winter and dug during the spring thaw will be extra sweet and tender.

426. HOLLOW CROWN (Guernsey)—(95 days.) Roots about 12 inches long, uniformly tapered, with a diameter at top of 2½ inches. Tender and sugary. Pkt. 8c, oz. 15c, ¼ lb. 50c, ½ lb. 80c, lb. \$1.50, prepaid.

428. WHITE MODEL—(95 days.) The Smoothest and Whitest Parsnip. Of medium length, fine shape and clean smooth skin; flesh tender, sweet and fine textured. Pkt. 10c, oz. 25c, ¼ lb. 70c, ½ lb. \$1.25, lb. \$2.00, prepaid.

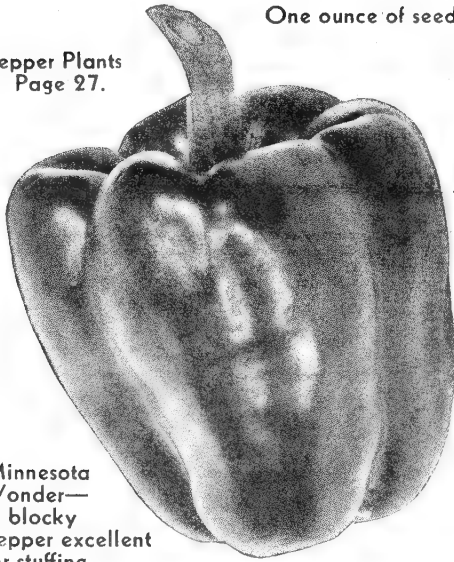
White Model Parsnips



Peppers — Mild and Sweet

One ounce of seed for 1,000 plants. $\frac{1}{4}$ lb. to transplant one acre.

Pepper Plants
Page 27.



Minnesota
Wonder—
A blocky
pepper excellent
for stuffing.

CULTURE—Sow seed in flats, or in the hot-bed in March, and transplant seedlings, when 3 or 4 inches high to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well-prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in rows.

NOTE—The time from setting out plants to marketable condition is indicated here.

For Pepper Grass or Cress see page 26.

432. KING OF THE NORTH—(64 days.) An early large pepper especially valuable in northern states. Fruits are enormous in size and color up a brilliant red much earlier than any other large sort. They average 6 inches long, 4 inches across. The flesh is thick, firm, very sweet and mild. Plants are literally covered with large peppers. Often one plant will have 8 to 10 mature fruits. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

434. HARRIS EARLY GIANT—(63 days.) An excellent first early sweet variety, for home and market garden use. Fruits resemble Bull Nose in form. Plants: dwarf, upright, very productive. Fruits: $4\frac{1}{2}$ inches long, $3\frac{1}{2}$ inches thick; gently tapered, 3-lobed, of sweet mild flavor; deep green changing to bright red. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

435. MINNESOTA WONDER—(68 days.) A real quality pepper, mild and sweet. It produces smooth uniform fruits 4 inches in diameter and 5 inches long, mostly 4-lobed. The color is deep green, changing to bright crimson at maturity. The flesh is solid and thick. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

437. LARGE BELL or BULL NOSE—(58 days.) A popular early sweet variety. The first on the early market. Plants: small, erect, prolific. Fruits: 3 inches long, $2\frac{3}{4}$ inches thick; blunt, deep green—changing to scarlet red; sweet, mild in flavor. Pkt. 10c, $\frac{1}{2}$ oz. 30c, oz. 50c, $\frac{1}{4}$ lb. \$1.75, prepaid.

442. RUBY KING—(68 days.) Excellent for home and market gardening, also for shipping. Plants: medium dwarf, erect, vigorous, and very productive. Fruits: 5 inches long, 3 inches thick; tapering, dark green changing to ruby red at maturity. Flesh: thick, mild and sweet. Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 45c, $\frac{1}{4}$ lb. \$1.65, prepaid.

1 oz. for 25 hills, 4 lbs. per acre.
Plant like squash, 3 or 4 seeds
per hill and thin to 1 plant per hill.

Pumpkins

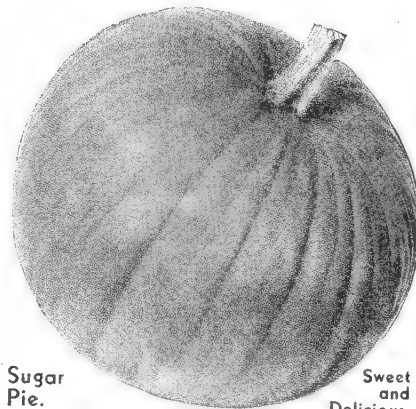
Pumpkins, because of the large amount of space they require, are seldom grown by the small gardener. By exercising a little ingenuity, however, the garden-maker may find a way to grow them without infringing seriously on the vegetable plot. It is quite possible to train the vines over a fence or on lattice work, and a few pumpkins will be treasured for pies when fall comes.

565. SUGAR PIE—(75 days.) Most desirable for pies. Very fine grained, sweet and a splendid winter keeper. Fruits: 10 inches thick, weight 6 to 8 lbs.; skin hard, smooth, somewhat ribbed, deep orange. Flesh: thick, sweet, orange-yellow, and of high quality. Pkt. 8c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.10, 5 lbs. at \$1.00 per lb., prepaid.

New Field Pumpkin

570. DICKINSON FIELD—(Matures in 110 days.) Developed at Purdue University, this new pumpkin is far superior to all others in quality, with finer grained, thicker flesh. Commercial canners prefer Dickinson for its exceptionally high sugar and protein content, its uniform golden color and heavy yield. Often produces 25 tons to the acre. Fruits are large, elongated, and weigh from 15 to 20 lbs. The color is a deep, clear, golden yellow throughout. For pies, for canning and stock feed, we consider it the best on the market. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 35c, lb. \$1.20, 5 lbs. at \$1.10 per lb., prepaid.

PYROCIDE DUST protects Pumpkin Vines from squash bugs and beetles, which attack the leaves, causing them to wilt and become blackened and crisp. PYROCIDE is easy to use and it is non-poisonous. See page 12 for prices.



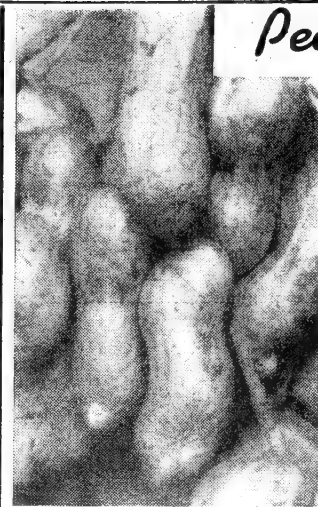
Sugar
Pie.

Sweet
and
Delicious.

574. MAMMOTH KING or JUMBO—(Matures in 120 days.) The largest of all pumpkins. Valuable for stock feeding and exhibition purposes. Fruits: 20 to 24 inches in diameter, weight 60 to 90 lbs., very large, globular, slightly ribbed, flattened; skin light yellow, mottled with yellow and frequently slightly netted. Flesh: solid, coarse, but of fair quality. Pkt. 8c, oz. 12c, $\frac{1}{4}$ lb. 35c, lb. \$1.20, 5 lbs. at \$1.10 per lb., prepaid.

576. PRIZE COLLECTION MIXTURE—A mixture of the best varieties described above, all shapes and sizes, large and small. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, 5 lbs. at 90c per lb., prepaid.

Peanuts



As
Easy
to
Grow
as
Potatoes

Ask for
Free
Leaflet

Large Virginia Peanuts.

514. EARLY SPANISH—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 10c, $\frac{1}{2}$ lb. 35c, lb. 65c, 5 lbs. at 60c per lb., prepaid.

515. LARGE VIRGINIA—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. Fine for dry, sandy soil. Large pkt. 10c, $\frac{1}{2}$ lb. 35c, lb. 65c, 5 lbs. at 60c per lb., prepaid.

Rhubarb Seed

One ounce will plant 500 feet.

CULTURE—Sow in April in drills one foot apart, covering $\frac{3}{4}$ inch. Thin out to 12 inches apart in row, when a few inches high. The following spring transplant to deep rich soil, 3 feet apart.

581. VICTORIA—A vigorous grower, with thick red stalks of excellent quality. Pkt. 10c, $\frac{1}{2}$ oz. 15c, oz. 25c, $\frac{1}{4}$ lb. 90c, prepaid.

FOR RHUBARB ROOTS SEE PAGE 26

Tobacco Seed

One ounce of seed will produce plants for one acre.

519. CONNECTICUT SEED LEAF—Grown principally for the manufacture of cigars. Hardy, prolific, and well suited to production in the north and central states. Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 60c, prepaid.

Food Preservation Guide

NOW it's doubly important to "put up" foods at home.

This Guide gives detailed instructions in the following 5 Home Food Preservation Methods:

- 1—CANNING (By every method)
- 2—QUICK FREEZING
- 3—DEHYDRATING
- 4—BRINING (Dry salt & brine methods)
- 5—STORING VEGETABLES (In cellars, pits & boxes for winter use)

Instructions are simple and easy to follow. Prepared by Home Economics Institute.

47 Pages
Many Illustrations

10¢
ppd.

Sow Radishes Early In Spring As Soon as the Ground can be Worked

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

CULTURE—Quick growth makes Radishes crisp and tender, and to grow well, they must have cool weather and light, rich soil. Cover seed $\frac{1}{2}$ inch. To have a continuous supply for the table, sow as early in the spring as possible, and at intervals of 10 days thereafter until May 15th. To have Radishes in fall, three sowings of early varieties may be made at weekly intervals, beginning August 15th.



Firecracker Radish is shown in color on Inside Back Cover.

531. FIRECRACKER—(22 days.) Distinct in type, this radish is long and slender, vivid scarlet in color and although very early, it remains crisp and tender much longer than other early sorts. Seed of this variety was formerly imported, but we have succeeded in growing our own seed. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, prepaid.

534. COMET—(24 days.) Bright scarlet in color; globe to olive shaped, this radish matures early, but remains in edible condition a long time before becoming pithy. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid. Not prepaid, 5 lbs. at \$1.20 per lb.

546. WHITE ICICLE—(27 days.) Flesh remains crisp and tender until roots attain large size. Roots: 6 inches long, slender, tapering at the tip, very white. Flesh: clear white, brittle and of mild, inviting flavor. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid. Not prepaid, 5 lbs. at \$1.20 per lb.

542. MIXED RADISHES—This mixture contains early, summer and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.10 per lb.



CONTROLS ROOT MAGGOTS

Root Maggots attack your CABBAGE, CAULI-FLOWER, CARROTS, ONIONS, BEETS, RADISHES and TURNIPS. Use CARCO SPRAY, early in spring, to prevent deposit of maggot eggs. **NOT A POISON.** Order $\frac{1}{2}$ Pint early and use it in time! One-half pint makes six gallons of spray. **60c Ppd.** Easy to use—complete directions. Pint 85c; Quart \$1.40 Prepaid.

535. IMPROVED EARLY SCARLET GLOBE—(24 days.) Very early crisp, mild and tender. Bright scarlet in color, of uniform globe shape. One of the best for forcing and outdoor planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.10 per lb.

538. FRENCH BREAKFAST—(25 days.) A splendid variety for home use, oblong, blunt, about 2 inches long, it is rich scarlet in color, with a white tip. Flesh is solid, crisp and sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.10 per lb.

540. CRIMSON GIANT—(28 days.) Largest of all the early round radishes, of fine mild quality, it remains in perfect condition until an inch in diameter. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid. Not prepaid, 5 lbs. at \$1.20 per lb.

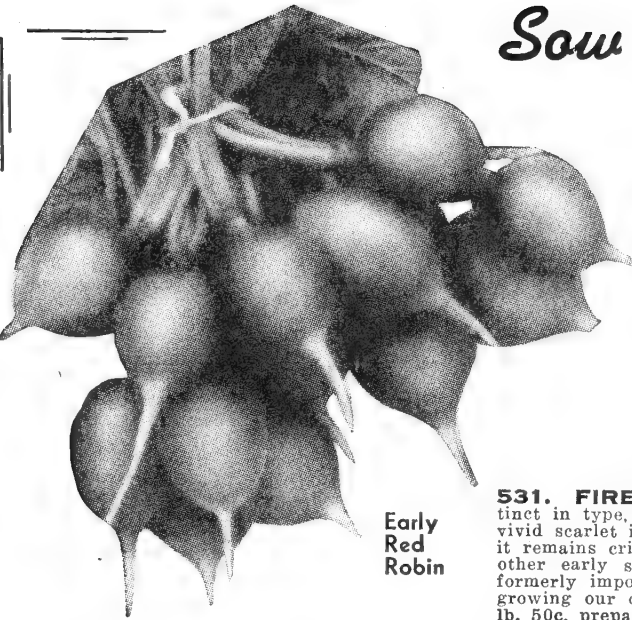
The Pocket BOOK of VEGETABLE GARDENING

By Charles H. Nissley

How, When and Where to Plant . . .

The latest practical advice on growing food for home use . . . easy to understand . . . complete. Includes specially prepared charts showing VITAMIN CONTENTS AND NUTRITIONAL VALUES as well as specific instructions for raising each vegetable. There are charts for 50 vegetables.

241 Pages, 52 Illustrations **30c** ppd.



Early Red Robin

524. EARLY RED ROBIN—Profitable Early Market Variety. Ready to pull in 16 to 20 days. Color: rich scarlet; flesh, snow-white, crisp, juicy and mild; shape, slightly elongated globe. It costs twice as much to produce Red Robin Radish Seed, because it is grown from transplanted roots, insuring absolute uniformity and trueness of type. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40, prepaid. Not prepaid, 5 lbs. at \$1.20 per lb.

525. EARLY SCARLET TURNIP—(26 days.) Scarlet-red, flesh crisp and tender. Roots quickly grow to an inch in diameter, turnip-shaped. Excellent for early planting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.10 per lb.

526. EARLY SCARLET TURNIP WHITE TIP—(26 days.) A table dainty, crisp, tender and sweet. It is turnip-shaped, bright scarlet with a white tip, appealing to the eye and palate. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.10 per lb.

530. EARLY SAXA—(22 days.) One of the earliest radishes, and slow to run to seed. Tops small, roots round and bright scarlet. A good forcing sort and for first outdoor planting. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.40 prepaid. Not prepaid, 5 lbs. at \$1.20 per lb.



French Breakfast—excellent for the home garden—early, sweet, crisp and tender.



White Icicle has crisp white flesh of mild inviting flavor.

Winter Radishes

Sow in early July and allow to develop during the fall months. Dig before frost and store in a cool place.

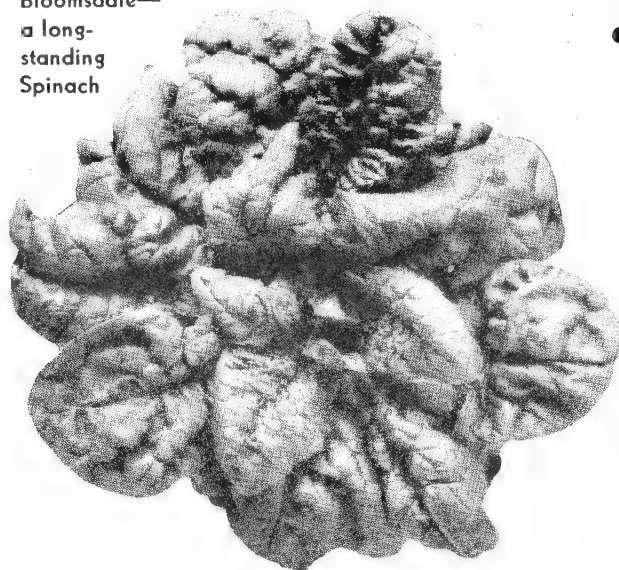
555. CALIFORNIA WHITE MAMMOTH—(60 days.) Roots: 8 inches long, 2 inches thick; cylindrical and thickest at lower end. Flesh: white, crisp and not pungent.

559. LONG BLACK SPANISH—(58 days.) Roots: 9 inches long, 2 $\frac{1}{2}$ inches thick; cylindrical, slightly tapered at tip; skin black and wrinkled. Flesh: white, solid, pungent.

Prices of Winter Radishes — Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25, prepaid. Not prepaid, 5 lbs. at \$1.10 per lb.

"Hybrid Gold" is a New Pop Corn you will want to grow—it pops to great flaky, tender kernels of a rich butter color. See page 11.

Bloomsdale—
a long-
standing
Spinach



Bloomsdale Spinach has thick, glossy green leaves, attractively crumpled.

Spinach for Healthful Greens

One ounce plants 100 foot row.

Culture—Spinach succeeds best during the cool, moist weather of early spring, and should be sown just as soon as the ground can be worked, in rich, well-drained soil. Make a shallow furrow and cover the seed with $\frac{1}{2}$ inch of soil, then firm. Make the rows 8 to 12 inches apart. As the crop matures in 5 to 6 weeks, it can be planted between rows of slower-growing crops. Pull up the plants as soon as they go to seed.

584. KING OF DENMARK—(45 days.) Highly desirable for canning and for market gardens. Large, spreading plants carry broad, rounded, very dark green leaves which are somewhat crumpled. Excellent for spring planting as it is slow to go to seed. Very hardy and of good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid. Not prepaid, 5 lbs. at 85c per lb.

585. TENDERGREEN MUSTARD SPINACH—A quick-growing variety, producing large, dark green leaves with small lighter green ribs. It is the only vegetable that is ready for table or market in 21 to 24 days after planting, and will produce from 8 to 9 crops a year. Mildly pungent, combining the flavors of mustard and spinach. May be used in salads or boiled like spinach. Pkt. 8c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.20, prepaid. Not prepaid, 5 lbs. at 90c per lb.

586. BLOOMSDALE SAVOY LEAVED—(39 days.) A very early, vigorous variety, desirable for home gardens, for shipping to distant markets and for canning. Plants erect in growth, hardy and attractive. Leaves large, crumpled, somewhat blistered; dark glossy green. Seeds fairly early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00, prepaid. Not prepaid, 5 lbs. at 85c per lb.

587. NEW ZEALAND—(60 days.) This green, distinct from spinach proper, thrives in hot dry weather. It makes a large plant, with small, thick, deep green leaves, and grows with a branching, spreading habit to a diameter and height of two feet or more. Both leaves and stalks are fleshy and brittle and of finest quality when cooked. In harvesting cut only the 4-inch tips of branches. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.70, prepaid. Not prepaid, 5 lbs. at \$2.50 per lb.

Swiss Chard

Spinach
Beet

One ounce will sow
100 feet of drill.

Swiss Chard is a summer green that will stand the hottest weather and continue to produce until frost. Use only the young tender leaves six to twelve inches long. Old large leaves must be pulled off and disposed of at regular intervals.

588. LUCULLUS — (55 days.) Forms tall, sturdy plants, upstanding in habit of growth. Light green leaves, large, broad and heavily crumpled. Very tender when cooked. The thick white stalks are splendid for creaming like asparagus, and provide a most appetizing dish. Pkt. 8c, oz. 18c, $\frac{1}{4}$ lb. 60c, lb. \$2.25, prepaid. Not prepaid, 5 lbs. at \$2.00 per lb.



Swiss
Chard
Lucullus

Eat leafy greens
for health—Swiss
Chard is rich in
vitamins.

New
Crimson
← Chard

Has a Sweet, Delicate
Flavor You Never Knew
Existed in a Leafy Vegetable



A
Swiss
Chard
with
bright
crimson
stalks.

589. RHUBARB CHARD —(60 days.) The leaf-stalks, considered by many as the most delicious part of the Chard plant, are bright crimson, the rich color extending out through the veins into the dark green, heavily crumpled leaves. Grow and cook it as you would other Chards, and you will find it even more delicious. The plant is so decorative and striking in appearance that it may be grown in the flower garden. Pkt. 15c, oz. 60c, prepaid.

Tampala —

The Three-in-One
Vegetable!

Contains Carbohydrates, Minerals,
Protein and Vitamin A

1—Cooked Tampala
is different in flavor
from all other greens.

2—Young leaves,
finely chopped, make
a refreshing salad.

3—Tampala stems
too are tender and
tasty. Remove leaves,
cook and serve like
asparagus.

590. TAMPALA — The tasty new vegetable from China. Smooth, tender, rich green leaves—cooks in five minutes and holds its appetizing color. Different in flavor, it is a delightful change from all other greens. A real "cut-and-come-again" vigorous grower, ready to cut six weeks after planting. New shoots and leaves keep coming even in hot weather. Plants grow 2 ft. tall, $1\frac{1}{2}$ ft. across, and will not go to seed. Pkt. 15c, $\frac{1}{2}$ oz. \$1.75, prepaid. For Color Photo see Inside Back Cover.

TAMPALA WITH HOT BACON DRESSING

6 strips bacon
 $\frac{1}{2}$ cup sugar
2 tblsp. flour

1 tsp. salt
 $\frac{1}{2}$ cup water
 $\frac{1}{2}$ cup vinegar

1 tblsp. lemon juice
4 tblsp. bacon fat

Fry bacon until crisp, drain fat and measure $\frac{1}{4}$ cup. Mix dry ingredients, add to liquids and bacon fat. Cook in top of double boiler seven minutes until smooth. Add half of crisp bacon to dressing.

Put fresh cleaned, cut Tampala (about one pound) into large kettle and toss lightly with hot bacon dressing over fire four or five times. Serve at once, using rest of bacon as a garnish.

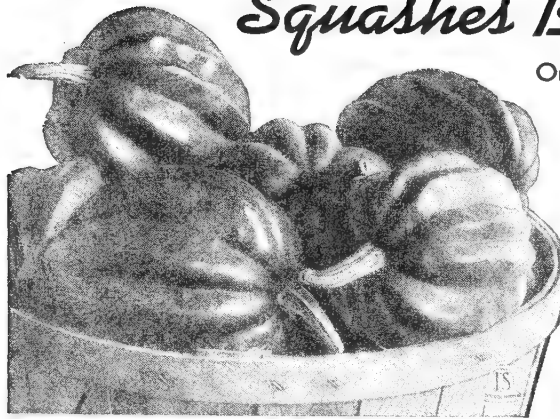
Tampala—
"cut-and-come-again"
crop.

Produces greens
all Summer.
Stands hot
weather.



Squashes Bred To Highest Quality

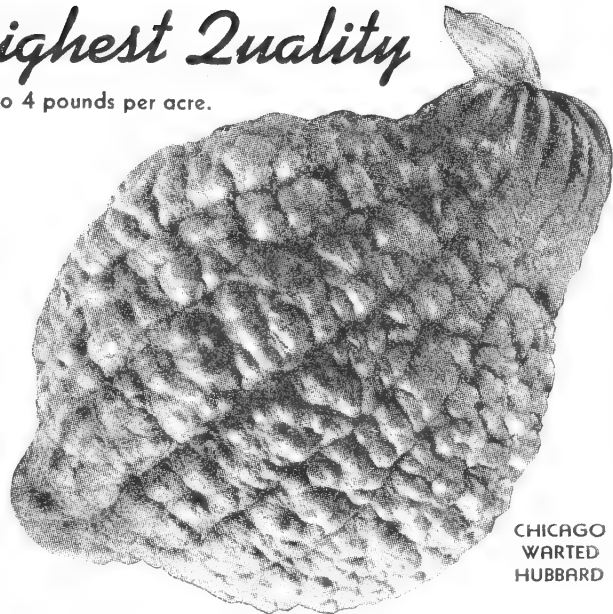
One ounce plants 50 hills—3 to 4 pounds per acre.



Split **TABLE QUEEN SQUASH** in halves, scoop out the seeds, brush with butter, bake and serve.

CULTURE—Sow in full sun, in warm, rich soil in hills, allowing 6 seeds to each hill. When plants have 3 or 4 leaves thin out leaving the 3 strongest plants. For protection against the squash borer, cover vine with soil at several joints. It will take root where covered and limit the damage done by the borer.

NOTE—In harvesting Winter Squashes, handle them gently. If the skin is bruised, the Squash will rot. Store on a shelf or rack so they will not touch each other.



CHICAGO WARTED HUBBARD

Long-Keeping Winter Varieties

597. BLUE HUBBARD—(110 days.) Superior in edible quality, larger in size and a better yielder and keeper than other Hubbard strains. Fruits large, round, pointed at both ends; slightly ribbed, with very hard, blue-gray rind; weight 12-14 lbs. Flesh orange-yellow, thick, of fine flavor. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

598. CHICAGO WARTED HUBBARD—(110 days.) Very prolific and a good keeper. The dark green fruits are heavily warted, pointed at one end and weigh about 14 pounds. The flesh is bright orange, fine grained, dry and sweet. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

599. IMPROVED GREEN HUBBARD—(105 days.) A standard winter sort for home or market. Fruit: 12 inches long, 9 inches diameter; weight 12 pounds, pointed at both ends, slightly warted, dark bronze green in color; rind hard and tough. Flesh: very thick, orange-yellow, dry and sweet. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

601. NEW BUTTERCUP—(100 days.) This squash is acorn-shaped and has all the seeds in the blossom end, where they can be removed with a twist of the knife. The rest of the fruit is solid orange flesh, fine-textured and dry. Weight about 3½ lbs.; rind thin and tough. A splendid winter squash, unexcelled in quality. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.



Greengold has deep orange flesh dry, mealy and sweet.

602. NEW GREENGOLD—(100 days.) A selection from the Buttercup, superior to the Hubbard in edible quality, and of small size, 4 to 5 pounds. Color: orange-yellow background with green stripes. Very thin hard shell, deep orange flesh, dry, mealy, stringless and sweet with an exceptionally fine flavor. Small seed cavity. Greengold is a vigorous grower, with small stems and produces five to six fruits per plant. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

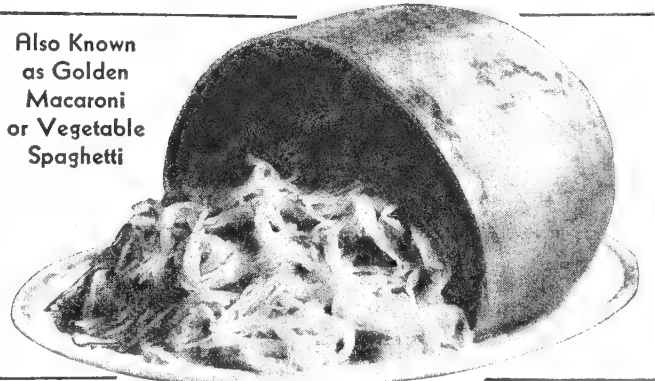
SQUASH COLLECTION

1 pkt. } Cocolle,
each: } Table Queen 20c ppd.
 } Blue Hubbard

Noodle Squash

314. Smooth, creamy-white fruits, 8 inches long and 5 inches thick. Pick when well matured. Store like squash for winter. Before cooking, puncture one end, place in kettle of hot water and cook 30 minutes. Cut in half, remove center seed core, and flesh will fall out in shreds, suggestive of spaghetti. Serve hot with salt and butter, or with a cream sauce. Pkt. 10c, oz. 30c, prepaid.

Also Known as Golden Macaroni or Vegetable Spaghetti



Ready in Early Fall

604. GOLDEN TABLE QUEEN—(60 days.) Somewhat larger than the regular Table Queen, and of a beautiful deep golden color. Fruits are deeply ribbed, pointed at blossom end. The orange flesh is thick, dry and of fine texture. Edible from early fall throughout the winter. Pkt. 8c, oz. 15c, ¼ lb. 55c, lb. \$2.00, prepaid.

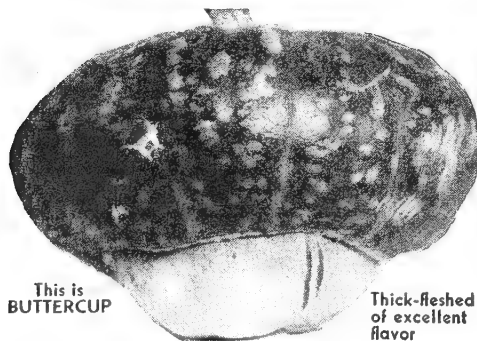
605. TABLE QUEEN—(58 days.) Early maturing and fine for home or market garden use and for shipping. Fruit: 6 inches long, 4½ inches diameter; weight 1½ lbs., acorn shaped, ribbed, smooth, thin shelled, dark green. Flesh: light yellow, bakes well, with inviting flavor. Pkt. 8c, oz. 15c, ¼ lb. 55c, lb. \$2.00, prepaid.

Summer Squashes

The tender half-grown fruits of Summer Squashes are delicious, when picked before the shell begins to harden. The plants continue to bear until frost if fruits are kept picked.

595. GIANT STRAIGHTNECK—(60 days.) The convenient straight shape of this squash makes it superior to its parent Crookneck. Plants bushy and prolific. Fruits golden yellow, heavily warted, 18 inches long; flesh thick and yellow of delicious flavor and fine quality. Pkt. 8c, oz. 15c, ¼ lb. 55c, lb. \$2.00, prepaid.

596. COCOZELLE BUSH—(65 days.) The fruits are most delicious when only 4 to 6 inches long. At this stage they may be sliced with the skins on, boiled from 20 to 30 minutes and served with butter, salt and pepper. If kept picked they will continue to bear until frost. Mature fruits are 20 inches long, smooth, dark green, marbled with yellow and light green. The flesh is pale green, thick, firm and tender. Pkt. 8c, oz. 15c, ¼ lb. 55c, lb. \$2.00, prepaid.



This is **BUTTERCUP**

Thick-fleshed of excellent flavor

600. GOLDEN HUBBARD—(100 days.) Similar to Green Hubbard, but earlier, smaller and more prolific. Fruit: 11 inches long, 9 inches diameter; weight 10 lbs., somewhat pointed at each end, moderately warted, orange-red, with faint cream colored stripes toward blossom end. Flesh: deep orange, dry and of fine quality; it keeps well. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

USE PYROCIDE DUST—Kill Squash Bugs & Cucumber Beetles

Now you can protect melons, squash and cukes with non-poison Pyrocide, a new type dust, so powerful it controls these hard-to-kill pests, and most all types of sucking and chewing insects on fruits and vegetables including Aphids, Cabbage Worms, Mexican Bean Beetles, Leaf Hoppers, as well as house pests: flies, ants, etc.

Not 5 lbs. \$1.25
Prepaid: 25 lbs. \$4.25

1 lb.
40c
ppd.

Tomatoes — Meaty and Full-Flavored

One Ounce Produces 2,000 Plants, 1/4 Pound to Transplant an Acre

CULTURE—Sow the seed in March in a sunny window, in boxes or flats, using a light sandy soil. The seed germinates in 10 to 12 days. When plants are 2 or 3 inches high, transplant them 2 inches apart each way, into other flats using the same kind of soil. In 3 weeks, transplant to small paper pots or 4-inch flower pots, to produce good stocky plants. Pot-grown plants will not suffer a set-back when planted out in the garden, as the roots need not be disturbed.

NOTE—The time from setting out plants to marketable condition is indicated here.

Disease-Resistant Strains For Main Crop

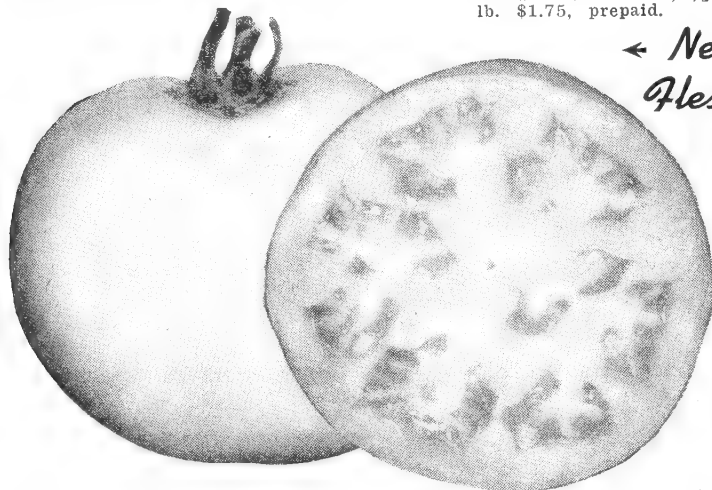
Rutgers—Unsurpassed in Quality and Flavor. See Color Photo Page 2.

610. RUTGERS—(73 days.) Originated by the New Jersey Experiment Station, this tomato is disease resistant and a consistently heavy cropper. The fruit is uniform, globular, smooth, of medium size and very solid, with heavy cross walls and small seed cavities. It ripens evenly from the inside out, to a uniform bright scarlet, is mildly acid and of pleasing taste. Especially valuable for slicing and in the making of sparkling bright red juice. Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.75, prepaid.

613. MARGLOBE—(77 days.) A splendid main crop variety, resistant to wilt and immune to rust. Fruits are large, smooth, globular, meaty, deep red of fine quality and delicious flavor. Ripen uniformly and are free from cracks. Widely used by truckers, shippers and canners, it is also a favorite for the home garden. Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$2.10, prepaid.

617. PRITCHARD OR SCARLET TOPPER—(73 days.) A scarlet, self-topping, disease-resistant variety. It is highly productive, of excellent quality, and very valuable for market garden use and for long distance shipping. Fruit: large, smooth, solid, with thick walls and cross sections; color light scarlet. A tasty tomato either sliced or canned. Pkt. 10c, 1/2 oz. 35c, oz. 55c, 1/4 lb. \$1.75, prepaid.

← New Orange-Fleshed Tomato



Jubilee makes beautiful orange-colored juice, rich, full-flavored and delicious. High in vitamins A and C—three times as much vitamin A as in oranges.

621. JUBILEE—(72 days.) Different from any yellow or orange tomato you have ever grown. Fruits are bright orange-yellow, globular, weigh about 6 ozs., smooth, free from cracking and solid. The interior is modern, thick-walled, with few seeds. The flavor is mild but not flat. Makes delicious juice of unusual and attractive color. Plants hold their foliage well and bear over a long season; fruit develops evenly and uniformly. Pkt. 15c, 1/2 oz. 85c, oz. \$1.60, prepaid.

A Giant Strain

639. PONDEROSA—The Giant Tomato—(88 days.) A splendid sort for home use and for canning, as the fruits are so solid, meaty and free from acid. Fruit: very large, flat, purplish pink, solid, with small seed cells; of inviting flavor. Pkt. 15c, 1/2 oz. 50c, oz. 90c, 1/4 lb. \$3.00, prepaid.

SPRAY YOUR TOMATO VINES TO KEEP THEM HEALTHY

Keep vines healthy by spraying them regularly with ACME KOPPER KING. Use as a spray or dust to control Blight, Mildew, Wilt and Leaf Spot. 1 lb. 50c ppd.

Novelty Tomato Collection

Grow these Tomatoes and delight your family with a salad composed of alternate slices of orange, frosty white, rich red.

One { Jubilee—Orange
Pkt. { Snowball—White
Each { Rutgers—Red

for 35c ppd.



Rutgers produces an abundance of perfectly uniform fruit—ideal for canning and juice.

Earliest Varieties

611. SCARLET EXTRA EARLY JUNE—(60 days.) This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. Pkt. 15c, 1/2 oz. 50c, oz. 90c, 1/4 lb. \$3.00, prepaid.

612. SPARKS EARLIANA—(65 days.) Fruit: flattened, medium size, firm, bright red, quite smooth. Vine: open spreading, medium small. A first early sort, widely used for home gardens and truckers. Pkt. 10c, 1/2 oz. 40c, oz. 60c, 1/4 lb. \$2.25, prepaid.

614. FIRESTEEL—(62 days.) Resistant to Fusarium wilt and disease. The fruits are bright scarlet, globular, of medium size, smooth, solid and free from cracks. The flavor is semi-acid. For dry seasons Firesteel has no equal, as it will set fruit when other types are dropping their blossoms. Pkt. 15c, 1/2 oz. 40c, oz. 70c, 1/4 lb. \$2.60, prepaid.

618. VALIANT—(70 days.) New early round scarlet Tomato of the deep Marglobe-type. Fruits are smooth and solid, often weighing 8 ounces. The flesh is firm and meaty, with very few seeds. An excellent market and home garden variety. Pkt. 15c, 1/2 oz. 40c, oz. 70c, 1/4 lb. \$2.50, prepaid.

619. NEW VICTOR—(67 days.) Produces large clusters of fine, deep scarlet tomatoes, uniform in size, even-ripening, exceptionally smooth and resistant to cracking and sunscald. The plants are vigorous and prolific; especially suited to growing conditions in the Northwest. Pkt. 15c, 1/2 oz. 45c, oz. 80c, prepaid.

628. JOHN BAER—(70 days.) Here is an excellent early sort maturing between Earliana and Bonny Best. Excellent for local market gardening and canning. Fruit: medium sized, semi-globular, very attractive, bright scarlet red, smooth and firm. Vine: of medium height and open growth. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.

635. BONNY BEST—(74 days.) The standard second early sort. Large, bright scarlet fruits, very smooth, perfectly round, solid and meaty. An excellent variety for market gardeners, shippers and canners, as it is a heavy yielder. Pkt. 10c, 1/2 oz. 35c, oz. 60c, prepaid.

The New Golden-Orange Tomato JUBILEE is far superior to the older so-called yellows. A good yielder, it makes delicious juice and is wonderful for salads

Ponderosa—the Giant Tomato

Novelty Tomatoes for Variety

For Sauce & Preserves

New Climbing Tomato ➔

644. FARGO YELLOW PEAR—A delicious early tomato of novel appearance. An ideal sort for making fancy pickles, preserves, canning, etc. Fruit is pear shaped and of attractive golden color. Easily grown and yields wonderfully. Do not fail to try it. Pkt. 10c, ½ oz. 35c, oz. 60c, prepaid.

653. GROUND CHERRY OR HUSK TOMATO—(86 days.) This is not a true tomato. Used as a novelty and for preserves. Flavor is outstanding. Excellent in combination with oranges, lemons or ginger. Fruit: small, yellow, round, enclosed in a loose, papery husk. Of delicate flavor. Vine: spreading and flat. Pkt. 10c, ½ oz. 30c, oz. 50c, prepaid.

622. SKYLINER—This amazing tomato grows to a height of more than 10 feet and yields of two bushels and more have been reported from a single vine. The vines grow rapidly and produce large crimson fruits averaging 3½ inches across and more than 3 inches deep—at times a 5-inch tomato steals the show. They have a solid meaty center, excellent flavor and fine shipping qualities. The vines are blight and drouth resistant. Make your garden the "talk of the town" by growing skyliner. Pkt. 15c, ½ oz. 45c, oz. 80c, prepaid.

Shown in Color on Inside Back Cover.

Snowball--an Acid-Free Tomato

637. SNOWBALL—A beautiful ivory-white tomato, everyone can enjoy as it contains less acid than any other variety. The flesh is alabaster-white, firm and meaty with a mild, rich flavor. The fruits are similar to Golden Ponderosa in size and shape. Pkt. 15c, prepaid.

A Heart-Shaped Pink Tomato

616. OXHEART—(90 days.) In shape it's different from any other tomato. It is of great size, has very thick flesh and is almost seedless. Excellent in salads. Fruit: extremely large, heart shaped, pink; very solid, meaty, and of mild flavor. Vine: open, spreading, fairly productive. Pkt. 15c, ½ oz. 45c, oz. 80c, prepaid.



If Your Garden Is Small

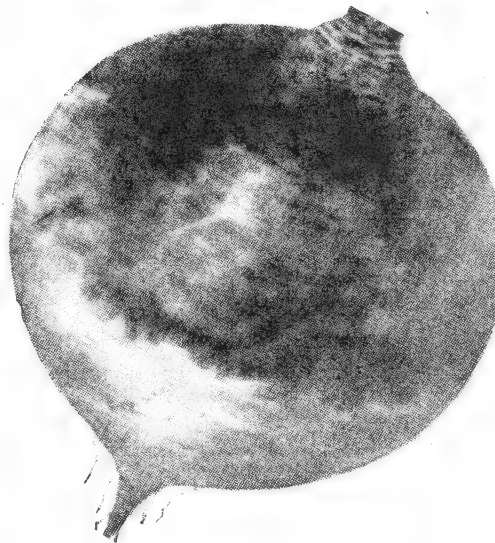
Train Tomato Plants to grow on a trellis or on stout stakes and they will take up no more room than a dahlia. "Trained" tomatoes are firmer, cleaner and better shaped than fruit grown on plants allowed to sprawl over the ground. See directions this page for growing perfect tomatoes.

Grow Perfect Tomatoes

In a Small Back-Yard Garden

- 1—Select a sunny location, as the direct heat of the sun is needed to ripen the fruit.
 - 2—Dig the holes 18 inches deep and 2½ feet apart.
 - 3—Put a foot of compost in each hole and cover it with one inch of soil.
 - 4—Cut off all branches from plants and set them so that the roots touch the soil in bottom of hole. Then fill in all around plant with good garden loam.
- Note—The entire plant should be below the ground except the 2 upper leaves, which rest on the surface. New roots will grow out all along the stem, giving the plants more strength and vigor.
- 5—Make paper collars 3 inches wide, from any stiff paper, and insert 1½ inches in the ground around the plant, and extending the same distance above, to protect stems from cutworms.
 - 6—When plants are about 1 foot high, provide sturdy supports and as they grow, tie them firmly each week to the supports, with soft, wide strips of cloth.
 - 7—Keep soil well cultivated while plants are growing and later mulch them with 3 inches of grass clippings.
 - 8—Keep vines healthy by spraying them regularly with ACME KOPPER KING, to control blight, mildew, wilt and leaf spot. (See page 74 for prices).

Tender Turnips for Your Table



One ounce will sow 125 feet of drill—2 pounds per acre in drills; 3 pounds broadcast.

CULTURE—Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas require a longer growing season than turnips and need more moisture. When full grown, they should be pulled, topped and stored in a cool cellar or pit. If cool and sufficiently moist to prevent withering, they will keep all winter.

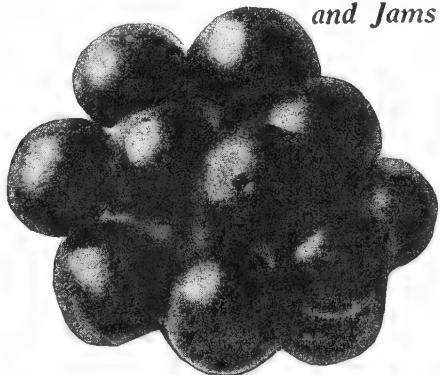
681. EXTRA EARLY PURPLE TOP MILAN TURNIP—(40 days.) An extra early sort for home garden and truckers. Of excellent quality. Roots: 4 inch diameter, very flat, white with purple top. Flesh: clear white, fine grained, sweet and tender. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.35, prepaid.—Not prepaid, 5 lbs. at \$1.25 per lb.

685. PURPLE TOP WHITE GLOBE TURNIP—(58 days.) Our pure bred strain is noted for its uniformity and productivity. Roots: 4 to 6 inch diameter, large globe shaped, very smooth, upper part purple-red, white below. Flesh: white, sweet, crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.10 per lb.

686. EARLY PURPLE TOP STRAP LEAVED TURNIP—(45 days.) A medium early productive variety, used extensively for home and market garden planting. Roots: 3 to 5 inch diameter, flat, purple red at the tops, white below. Flesh: white, fine grained and tender. Tops, medium, upright and compact. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.—Not prepaid, 5 lbs. at \$1.10 per lb.

Garden Huckleberries

Make Delicious Pies, Preserves and Jams



655. The berries are borne in clusters and when ripe are a shining black color, about ½ to ¾ inch in diameter. Plants grow 3 feet tall and thrive on any soil. Culture same as for tomatoes. Pkt. 10c, ½ oz. 40c, oz. 65c, prepaid. See recipe below.

Recipe for Huckleberry Pie

Wash and stem 2½ quarts berries, cover with water and let come to a boil. Add ½ teaspoon soda, boil one minute and drain. Add one cup cold water to berries, cook until soft, then mash and add 1½ cups sugar, juice of ½ lemon and boil about 15 minutes. Remove from stove and cool. When ready to put in pie crust add one tablespoon tapioca. Dot with butter, add top crust and bake.

American Purple Top Rutabaga is creamy yellow, solid and crisp. A heavy yielder and good keeper.

Rutabagas

698. IMPROVED AMERICAN PURPLE TOP RUTABAGA—(88 days.) Our special strain is noted for its uniformity of shape and heavy yield. A dependable variety. Keeps well and of excellent quality. Roots: 5 to 7 inch diameter, large, round with small neck and slight tap root; yellow with purple top. Flesh: light yellow, firm, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.10, prepaid.—Not prepaid, 5 lbs. at \$1.00 per lb.

701. F. S. & N. CO'S EARLY NECKLESS RUTABAGA—A new variety and a great improvement over Purple Top Yellow Rutabaga. It is earlier—entirely neckless—free from side roots, round and uniform. The flesh is white, fine grained and sweet. Another money-maker for market gardeners and a quality vegetable that sells on sight. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.50, prepaid.—Not prepaid, 5 lbs. at \$1.35 per lb.

Don't Gamble with Your Crops

Order CARCO SPRAY and Use it in time!

For control of Root Maggots which attack your CABBAGE, CAULIFLOWER, ONIONS, BEETS, RADISHES and TURNIPS, use **CARCO SPRAY**, early in spring, to prevent deposit of maggot eggs. NOT A POISON. Order early and use it in time! One-half pint makes six gallons of spray. Easy to use—complete directions. ½ pint, 60c, pint 85c, quart \$1.40, postpaid.

Treat Tomato Seed with SEMESAN. It prevents seed decay. (See page 17.)

Vegetables for the Epicure

Borecole or Kale

This member of the cabbage family does not form heads, but is grown for greens. Can be sown late, as plants continue to grow late in the season. A heavy frost improves the flavor and quality of the thick, crumpled leaves.

75. DWARF GREEN CURLED —

Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

Celeriac—See Page 9
Leek and Mustard—See Page 16
Vegetable Spaghetti—See Page 23

Cress Pepper Grass

295. FINE CURLED—Crisp, pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 10c, oz. 25c, ¼ lb. 85c, prepaid.

Egg Plant

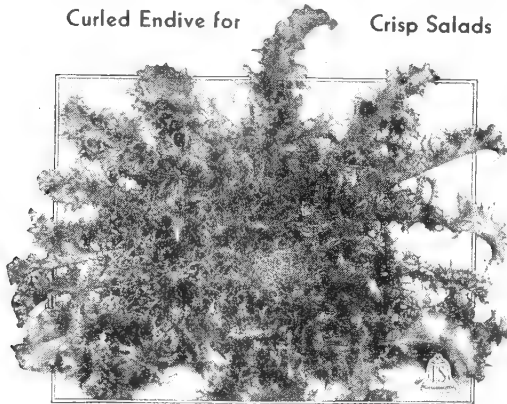
One ounce will produce 1,000 plants.

Sow seed in hotbed in March, when an inch high, pot in 3-inch pots. Set out about June 1st, 2½ feet apart.

302. BLACK BEAUTY—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 10c, ½ oz. 30c, oz. 55c, ¼ lb. \$2.00, prepaid.

Curled Endive for

Crisp Salads



Endive

One ounce of seed will plant 100 feet of drill.

An excellent salad for fall and early winter use. Sow seeds outdoors the middle of April; small sowings can be made every three weeks. For fall and winter crop sow in July. As soon as plants are large enough to handle, thin out to 1 foot apart. When fully grown or nearly so, tie the leaves together at the top to bleach them. They whiten in a week.

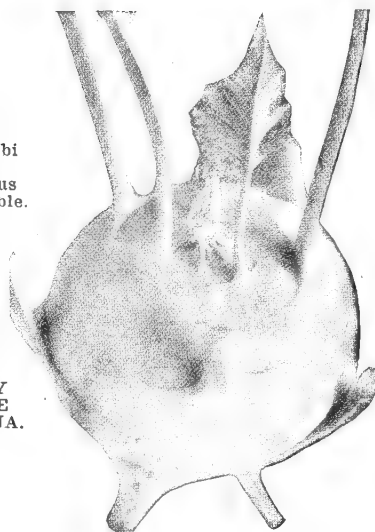
304. FLORIDA DEEP HEART—(88 days.) A great improvement over the Broad Leaved Batavian; the plant is large and vigorous, with broad, thick leaves; many infolding leaves form a deep compact heart, well-blanching and of excellent quality. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75, prepaid.

305. GREEN CURLED—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.50, prepaid.

For Garden Huckleberry see page 25

Kohlrabi is a delicious vegetable.

This is EARLY WHITE VIENNA.



Kohlrabi

One ounce for 200 feet of row.

310. EARLY PURPLE—(62 days.) Dwarf plants having short, green leaves with purple stems and veins. Bulbs globular purple, with white, tender flesh. Pkt. 10c, ½ oz. 25c, oz. 45c, prepaid.

311. EARLY WHITE VIENNA—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 10c, ½ oz. 25c, oz. 45c, prepaid.

Salsify Vegetable Oyster

One ounce for 100 feet of row.

Sow early and quite deep, giving same culture as for parsnips. The roots when cooked are appetizing and nutritious, with a mild, oyster-like flavor.

592. MAMMOTH SANDWICH ISLAND—An improved variety with roots 6 to 8 inches long, 1 to 1½ inches thick, tapering, smooth, dull white. Plants 3½ feet tall. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. \$3.00, prepaid.

Herbs

To Flavor, Season and Garnish

To keep over winter, cut on a dry day, just before they are in full bloom. Dry in the shade and store in air-tight Mason jars.

663. DILL—Seeds have an aromatic odor and pungent taste. Used for pickles. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.35, prepaid.

671. MARJORAM—The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 10c, ½ oz. 60c, prepaid.

674. SAGE—The leaves and tops are used very extensively for seasoning. Pkt. 10c, ½ oz. 60c, oz. \$1.00, prepaid.

675. SUMMER SAVORY—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressings, etc. Crop Failure.

676. THYME—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 10c, ½ oz. 60c, prepaid.

For Chives Plants see page 27

Rhubarb Roots

Set Plants 4 feet apart with Crowns 2 inches below the surface.

NEW CHIPMAN'S CANADA RED —

One of the best of the new improved varieties. Very sweet, tender, of fine flavor, with extra-large stalks, bright red all the way through, the red color extending even to the mid-rib of the leaf. Does not lose its bright color in cooking, and both sauce and pies are an appetizing cherry-red color. Chipman's is vigorous in growth, of the hardy, everbearing type, and does not make seed. Supply of roots limited. Order early. Price: 85c each, 2 for \$1.65, prepaid to 3rd zone.

Illustrated in Color on Back Cover.

NEW MACDONALD RED —

Produces thick succulent stalks, 18 to 24 inches long, with skin so thin and tender that peeling is unnecessary. Stalks are bright cherry-red from base to top; flesh white, fine-grained, low in acid, with a mild rich flavor. Sauces and pies made from MacDonald require less sugar and have an appetizing red color when cooked. A tremendous yielder, it remains tender and can be used over a long period of time. Price: 50c each, 2 for 90c, 6 for \$2.25, prepaid to 3rd zone.



Northern Grown Horse-Radish Roots.

Horse-Radish Roots

Minnesota grown native planting roots have clear white disease-free flesh. Grate up fine and tender and white as snow. It is just as important to change planting stocks in growing Horse-Radish as it is in growing potatoes to maintain best quality and yields. Price: 12 for 45c, 50 for \$1.25, 100 for \$2.25, prepaid.

Asparagus Roots

Rust-Resistant

Set Roots 15 inches apart. Plant 15 Roots for each member of the family.

New Early Paradise

A sensationally new early maturing variety —produces normal crop one year earlier than other varieties and gives a heavier production throughout its life. Large crisp, tender stalks —exceptionally fine mild flavor. Only 6 to 8 stalks required to the pound. A new, better, rust-resistant variety that will take the country by storm. See Front Cover for Color Photo.

Paradise Roots: Heavy, one-year-old, 25 for \$1.35, 50 for \$2.25, 100 for \$3.75, prepaid to 3rd zone—Not prepaid, 500 for \$14.00.

Washington

Tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched.

Price: No 1 one-year-old roots, 25 for \$1.00, 50 for \$1.65, 100 for \$2.95, prepaid to 3rd zone.—Not prepaid: 500 for \$12.00.

Ask for free circular, "How to Grow Asparagus."

Our Vegetable Plant Department

On plant orders less than 60c, add 15c for packing

Transplanted Vegetable Plants

We supply good healthy transplanted plants of all the varieties listed below, in their proper season. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Ask for prices in larger quantities.

We cannot accept shipments beyond the fourth zone (600 miles).

On Plant Orders Less Than 60c, Add 15c for Packing.

50 or more plants at the 100 rate. Ppd. to 4th Zone.

We cannot accept orders for less than one dozen of a variety.

CABBAGE, Early. Ready in April and May. Marion Market (yellows resistant) midseason, Copenhagen Market, Golden Acre, earliest, flat head...	45c	per Dozen
CABBAGE, Late. Ready in June. Hollander or Danish Ballhead (yellows resistant).....	\$2.25	per 100 postpaid
CELERY, Early. Ready in June. Golden Self Blanching, Giant Pascal (green).....		To 4th zone
CHIVES. Ready in April. Per bunch, about 1 doz. plants		
SWEET POTATO PLANTS. Porto-Rico. Ready in May and June. Special price, \$1.95 per 100.....		

TOMATOES. Ready in May and June. Scarlet Topper, Earliana, Ponderosa, Rutgers, John Baer, Oxheart, Golden Jubilee.....	50c	per Dozen
	\$2.95	per 100 ppd.

CAULIFLOWER. Ready in April and May. Super Snowball	50c	per Dozen
EGG PLANT. Ready in May and June. Black Beauty	\$2.95	per 100 postpaid
GROUND CHERRY. Ready in May and June.....		To 4th zone
PEPPER. Ready in May and June. Minnesota Wonder, Harris Early		
SAGE. Broadleaf		

FOR ONION PLANTS. See page 16.

PANSY PLANTS	Swiss Giants—mixed colors. Coronation Gold—Pure Gold. Ullswater—Blue, blotched black.	75c	Dozen ppd.
		100 for Not postpaid	\$3.00

Frost-Proof Cabbage Plants

No Delivery Beyond 3rd Zone (300 Miles).

On plant orders less than 60c, add 15c for packing

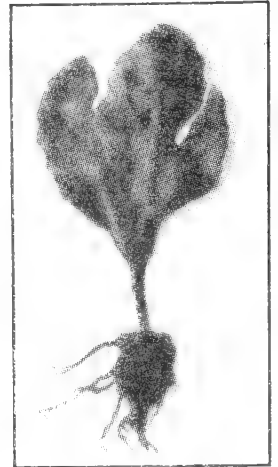
These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked and are not injured by shipping or transplanting.

We offer the three best sorts in bundles of about 45-50 of a kind only, which cannot be divided. Prices include postage.

EARLY JERSEY WAKEFIELD, FLAT DUTCH, COPENHAGEN MARKET, DANISH BALLHEAD, MARION MARKET or GOLDEN ACRE.

We reserve right to substitute.

NOTE—Owing to the uncertainty of the southern Cabbage Plant crop, we offer no Frost Proof Cabbage Plants at this time. We will keep in touch with the growing sections, and if southern plants are wanted, write us about April 1st for quotations.



Frost-Proof Cabbage.

Not available after May 1.

TRANSPLANTONE - Starts plants quickly - gives increased yields.

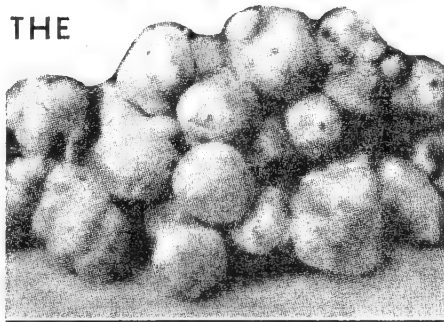
Amazing new HORMONE-Vitamin stimulant "does things" to more plants than B1 alone! Mix with water—apply to soil. Unbelievable results discovered in transplanting VEGETABLES—tomatoes start quickly—no wilting or setback. 50% more yield reported. 1 oz. Transplantone makes 10 gallons of transplant solution or 1,000 gallons watering solution. Free folder on request. ½ oz. pkt., postpaid, 25c. 3-oz. can, \$1.00, ppd.

VIOLA PLANTS	Avalanche—Pure White. Black Prince—Velvety Purple. Chantryland—Apricot. Puck—Purple and Yellow. Wedgewood—Light Blue.	75c	Dozen ppd.
		100 for Not postpaid	\$3.00

New Improved AMERICAN ARTICHOKE "GIRASOL" THE DIABETIC'S POTATO

Plant Early. Available about March 1st, newest strain.

A Valuable Food for Diabetics and Those Not Permitted To Eat Starchy Foods.



Bushel (50 lbs.)—6 bushels will plant an acre.

The tubers can be eaten cooked, or served raw in salads. They contain carbohydrates in the form of inulin, instead of starch, and need not be cooked to bring out their food value. Recipe folder mailed free upon request.

Easy To Grow

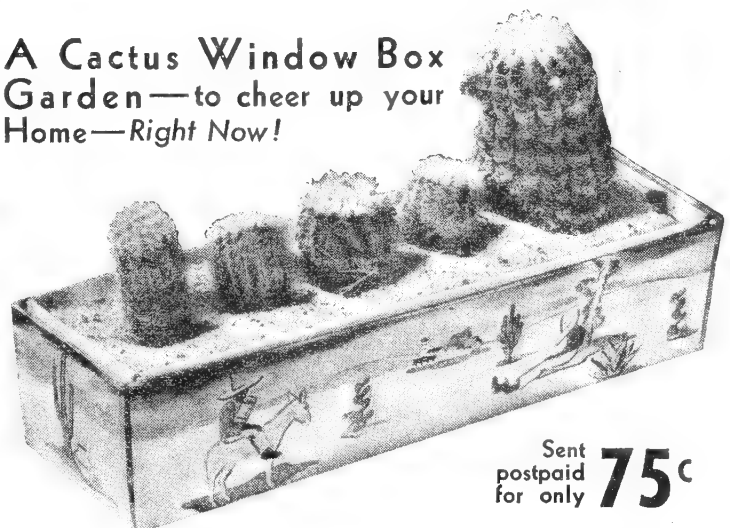
Plant 3 feet apart in rows 3 feet apart. Cut tubers like potatoes.

Girasol will thrive in any soil and responds to liberal feeding, yielding bountifully. The foliage becomes so dense, that after two cultivations, weeds cannot survive. Girasol tubers are relished by livestock and poultry.

The average yield is 10 to 15 tons of tubers per acre, with an equal amount of silage from the tops. Tubers can be left in the ground until the following spring, as they are not injured by freezing.

PRICE: 5 lbs. \$1.25, 15 lbs. \$3.00, prepaid to third zone only. Not prepaid: 50 lbs. or more at 15c per lb.

A Cactus Window Box Garden—to cheer up your Home—Right Now!



Sent postpaid for only **75c**

Five assorted, ready-to-plant Cactus Plants packed in a colorful, moisture-proof window garden box—illustrated with Mexican scenes! You can plant them in this attractive box with a little sand or gravel. Very little water needed. Makes a cheery indoor garden—Different types and shapes of cactus are included. They will thrive for months with little or no attention. They're easy to grow—complete directions included. This smart little Mexican window garden measures 8 ¾ x 2 ½ inches, and makes a unique gift. Price: 75c each, postpaid, or 3 complete gardens for \$1.95, postpaid.

Minnesota-Grown SEED POTATOES

New Bug and Blight-Resistant

"SEQUOIA"

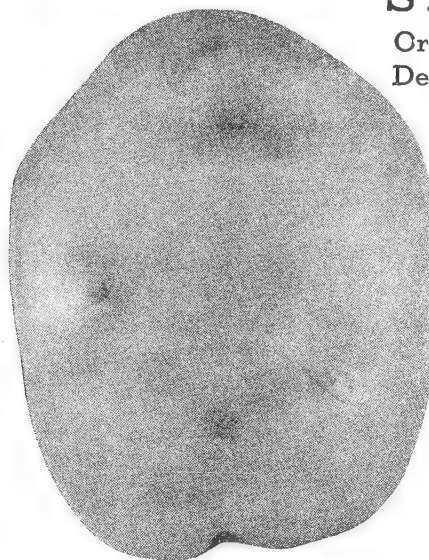
Originated by U. S.
Dept. of Agriculture

First Time Offered

Less spraying for bugs and blight—that's what the SEQUOIA will mean to you, at the same time producing a good crop of excellent potatoes, even in a drought year.

SEQUOIA is a cross of Green Mountain and Katahdin, producing good-sized tubers of the finest cooking quality, with white flesh and shallow eyes. This medium-late variety should be planted a bit heavier than other potatoes, and the seed supply is very limited—so order early.

We offer Certified Seed Stocks. See Blue Figure Price List.



Play Safe With Certified Seed Potatoes

Farmers can be sure of getting a better potato crop, by using Certified Seed, instead of local stocks, that may have run out, according to R. C. Rose, Plant Pathologist at University Farm. Virus diseases, such as spindle tuber, mosaic, yellow dwarf, and leaf roll are often present in table stock or garden crops. Seed used from a bin of these potatoes may carry enough infection to reduce the vigor of the crop the second year. This is what is known as "running out" in seed potatoes.

Certified SEED POTATO EYES

We have many calls for Seed Potato Eyes from customers who wish to try our new varieties, though hesitate to pay transportation on tubers to distant points.

We offer Potato Eyes white stocks are available. All will be freshly cut at time of shipment, and guaranteed to reach you in good condition. Name your preference—though we reserve right to substitute varieties.

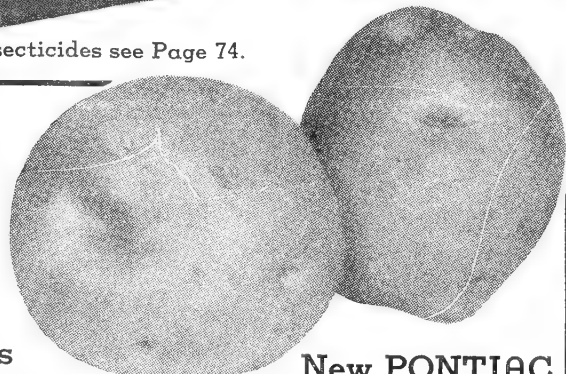
Not less than 100 eyes of a variety can be offered, and this amount should produce over a bushel of potatoes.

Price: 100 for \$1.00, 250 for \$2.25, 500 for \$4.25, 1,000 for \$8.00, prepaid.



For Insecticides see Page 74.

A
Sure
Bet
for
Big
Yields



New PONTIAC

Potato breeders at Michigan Experiment Farm produced this "wonder potato" from seedlings of Bliss Triumph and Katahdin. New "Pontiac" has established a record for high yields, good quality and vigorous growth.

It's a midseason, red potato—round to oblong shape, with medium deep eyes and crisp white flesh. It is freer from hollow heart, misshapen tubers, and more drought resistant than other varieties. A vigorous, upright grower producing heavy yields on muck as well as upland soils. Price: See Blue Figure Price List.

New SEBAGO Resistant to Blight



Late blight took a heavy toll in the Potato growing sections of the Northwest during the past several years. It was Sebago that withstood the epidemic best of any variety, according to the record of the North Central Station at Grand Rapids, and our own growers' reports.

Sebago is a cross of Chippewa and Katahdin—a vigorous grower, producing high yields of sound white potatoes of excellent cooking quality. It is a medium late variety, becoming immensely popular as a home or market potato.

Yields averaging 390 bushels per acre have been reported in recent tests. The seed supply, however, is still limited, and we advise ordering early. Price: See Blue Figure Price List.

U. S. D. A. CHIPPEWA Early—Heavy Yielding Well Suited for the Northwest

Earlier than Katahdin or Green Mountain and is especially well adapted for the Northwest. Yields higher than most late varieties.

Chippewa was compared in 1938 with Cobbler in 12 counties and exceeded Cobbler in yield of No. 1 potatoes in all but two tests. The average difference in yield was 39 bushels. Chippewa matures a few days later than Cobbler but yields a consistently higher percentage of No. 1 tubers.

Since it matures ahead of other late varieties, it will be a most popular storage potato. Tubers are smooth, regular in outline, with very shallow eyes, excellent cookers and show high resistance to mild mosaic. Price: See Blue Figure Price List.

Certified EARLY OHIO

This old favorite is a heavy yielder, of even size, oval tubers, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they keep well. The flesh is white, firm, fine grained, and of excellent flavor. Price: See Blue Figure Price List.

EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, and slightly flattened, rather blocky shape. The skin is white, well netted with eyes of medium depth. Price: See Blue Figure Price List.

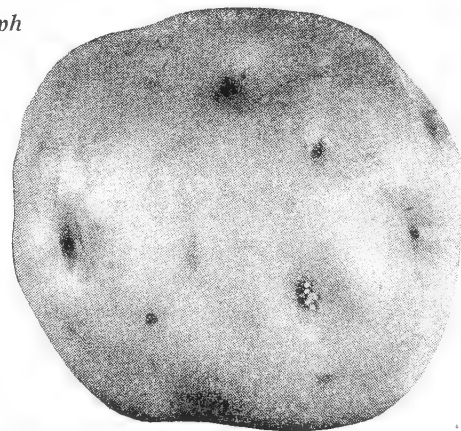
Extra Early WARBA

From Minnesota Experiment Station

Now Replacing the Triumph

After a 5-year test, the Minnesota Agricultural Experiment Station introduced this valuable extra early potato—a cross of a selected seedling and Bliss Triumph.

Resembles Bliss Triumph, though larger in size—a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Seven to ten days earlier than Bliss Triumph or Early Ohio. The vines are upright, sturdy and resistant to mild mosaic. Tubers are short, round, blocky with pink eyes and of uniform size. See Blue Figure List.



Treat your Seed Potatoes with Semesan Bel FOR SCAB—BLACK LEG—RHIZOCTONIA

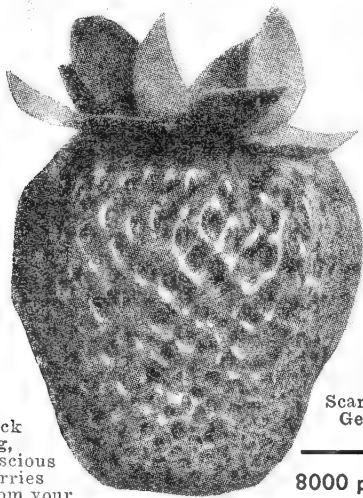
Just dipping seed potatoes in SEMESAN BEL solution, eliminates such diseases as scab, rhizoctonia and black leg. Improves germination and produces bigger crops. One pound treats 70 to 80 bushels of seed.

Prices: 2 oz. 30c, prepaid.—

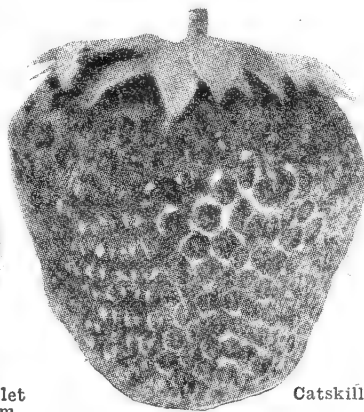
Not prepaid, 1 lb. \$1.65, 5 lbs. \$7.15, 25 lbs. \$33.25.

Northern Grown Strawberry Plants

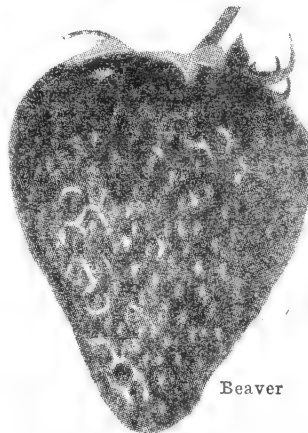
FROM OUR STRAWBERRY PLANT DEPARTMENT • POSTPAID PRICES ARE PREPAID 300 MILES ONLY.



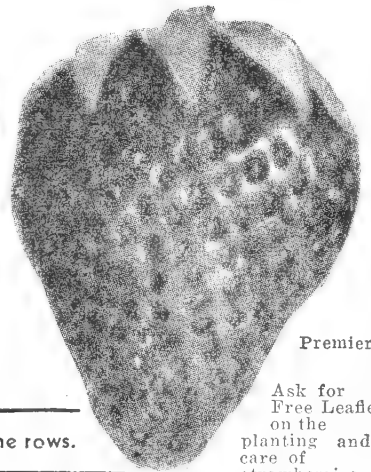
Scarlet Gem



Catskill



Beaver



Premier

Pick big, luscious berries from your own garden.

Ask for Free Leaflet on the planting and care of strawberries.

8000 plants for an acre. Set in rows 4 ft. apart—plants 1½ ft. apart in the rows.

SCARLET GEM King of the Everbearers

Two crops of juicy berries a season have made the Scarlet Gem immensely popular.

Plant this spring—pick berries in early summer and in late fall 'til the snow flies. The plants are always producing fruit or runners.

These large, bright red berries are of roundish shape—of excellent sweet flavor, and they stand up well for the market.

How about strawberry shortcake for your Thanksgiving dinner? It has been done, but get your order for plants in early. They are very scarce this season and we will accept orders only while our own stocks hold out. An exceptional demand is waiting—so don't delay. Price: 25 for \$2.15, 50 for \$3.75, 100 for \$6.00 prepaid to 3rd zone.

WAYZATA The Favorite Everbearer

Large glossy red berries until killed by frost—and fruit the first season—that's what has made the Wayzata famous.

This variety has a tendency to grow numerous crowns from a single root—each crown is always loaded with blossom stems. It is therefore more renowned for fruit production than it is for making runner plants.

Unfortunately the Wayzata was hard hit the past season, due to a belated cold spring and incessant rains. We therefore have practically no plants to offer except a few Potted Wayzatas, quoted below. We hope another year to have a plentiful supply. If you must have field grown plants, write us in April in case a limited few plants may be available.

SPECIAL—Potted Wayzata Plants

Grown in pots and especially packed with roots undisturbed.

We cannot accept orders for less than 25 plants, or more than 50 plants per customer. Supply very limited. Price: 25 for \$4.00, 50 for \$7.50 prepaid to 3rd zone—300 miles.

SENATOR DUNLAP Mid-Season Famous Old Reliable—Succeeds Anywhere

Beautiful, glossy, dark red color all through, the flavor is delicious, mild and sweet. Wonderful for canning and preserves. The berries are medium to large in size, and medium firm—excellent for home use and local markets. Plants are healthy, fast growers and make runners freely. A dependable midseason sort.

Price: 25 for 95¢, 50 for \$1.60, 100 for \$2.50, prepaid to 3rd zone. Not prepaid, 250 for \$5.00.

BEAVER Extra Early

The First Berries for the Market

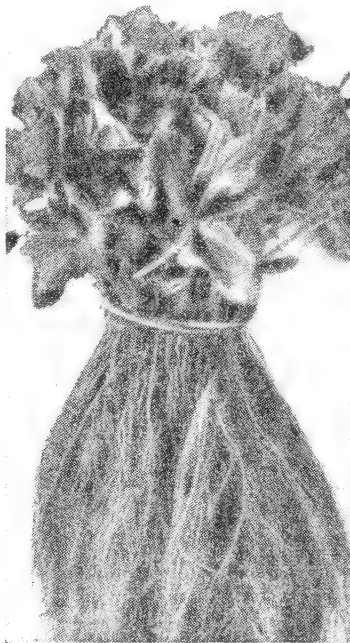
A richly colored berry, firm and red clear through, especially recommended for canning as it retains its color in the can. Extra early, a heavy yielder and an excellent shipper. Plants thrive best on sandy soil. Price: 25 for \$1.20, 50 for \$2.00, 100 for \$3.35, prepaid.—Not prepaid, 250 for \$7.00.

PREMIER Extra Early Long Fruiting Season Large, Uniform, of Finest Quality

An early June bearing variety—always giving satisfaction and ranking first in popularity among leading horticulturists. Fruit is of large size, bright red. Quality and fruit flavor exceptionally fine. Will withstand drought and is one of our best shippers.

Price: 25 for \$1.20, 50 for \$2.00, 100 for \$3.35, prepaid.—Not prepaid, 250 for \$7.00.

LEAFLET ON STRAWBERRY CULTURE FREE



Our Scarlet Gems are young, vigorous rooted plants. Northern Vigor means a lot in successful strawberry culture.

CATSKILL A Midseason Variety

Extra-Large—Brilliant Red

Considered the best midseason variety—a strong, vigorous grower and a sure cropper. Originated by New York Experiment Station.

The berries are very large and bright in color—quality equal to Premier. Catskill will be in big demand as it is a heavy producer—sells readily in the market and is proving itself a real money maker.

Price: 25 for \$1.20, 50 for \$2.00, 100 for \$3.35, prepaid.—Not prepaid, 250 for \$7.00.

FAIRFAX Midseason Frost-Resistant Darkest Red of All Strawberries

Introduced by the Department of Agriculture and a wonderful plant maker. Thrives in all kinds of soil, and withstands frost and adverse weather conditions remarkably well. Fairfax bears early fruit of good size and of rich carmine-red color. Its long picking season is especially desirable. For home or market this berry will always make good. Price: 25 for \$1.20, 50 for \$2.00, 100 for \$3.35, prepaid.—Not prepaid, 250 for \$7.00.

AMERICAN BERRY BASKETS

At the time of printing this catalog, satisfactory arrangements for offering berry baskets and crates could not be made. We suggest writing us a few weeks before you will be needing berry baskets, and we hope at that time to be in position to supply them.

EVERY GARDENER NEEDS THE "ALL PURPOSE" Garden Hoe



So easy to handle—so much lighter, faster and better.

You'll never go back to the ordinary hoe. You'll find it handy also to use around perennials, shrubs and evergreens. Amazingly efficient for mulching, cultivating, and weeding. Nurserymen buy them by the dozen. Weighs only 1½ lbs. yet stronger than other garden hoes.

Gooseneck spring-steel shank permits close cultivation. Act promptly—your money back if not delighted. Price \$1.20, prepaid to 3rd zone.

\$1.20
ppd.
to
3rd Zone

Plant Scarlet Gems for a Real Cash Crop in the Fall. No Other Everbearer Can Match Its Flavor

HARDY ★ ★ ★ Northern Rooted NURSERY STOCK

Common rooted fruit trees may look the same as Northern rooted trees—may even start all right. But when the first hard winter comes along, with little or no snow for protection, common rooted trees are quite sure to be injured or even killed, leaving a dead or crippled orchard.

An apple tree is no harder than the root it is grafted on. Hardy root stocks are as vital to your orchard, as a good foundation is to your home.

Actual tests show that common, tender root stocks are the greatest cause of failure in the orchard. Commercial growers know how important root stocks are to the life of their trees.

In tests, 50 common rooted, and 50 Northern rooted trees of same size were planted under identical conditions. Note the difference at 17 years. Many common rooted trees are gone entirely—those remaining are one-third the size of the Northern rooted trees, and produced one-fifth as much fruit. So beware of common rooted, Southern grown stocks. See the difference in the photo shown here.

Save money and insure your supply of fresh fruit by growing your own! The price of a peck of fruit at the grocers, will buy a fruit tree, which provides bushels of fruit year after year. Due to labor and weather conditions, Northern grown fruiting stocks are scarce. Order Early!



**PLANT NORTHERN ROOTED
FRUIT TREES**

See the Difference in Results — between
Common Rooted & Northern Rooted Stocks:

EARN FREE GIFTS

With Your EARLY Nursery Order
Look for the 3 Stars: ★ ★ ★

Order Nursery Stock from any 3 star page (any page marked with 3 stars at the top: ★ ★ ★). Send us this order with full remittance **BY MARCH 15, 1945**, and you may choose from the FREE Gift list below as follows:

With such orders of \$3.50 to \$5.00 select 1 gift below.
With such orders of \$5.00 to \$7.00 select 2 gifts below.
With such orders of \$7.00 to \$10.00 select 3 gifts below.
With such orders of \$10.00 and up select 4 gifts below.

(FREE GIFTS)

- | | |
|--------------------------------|-----------------------------------|
| (A) 1 Red Quinceberry, 2 yr. | (F) 1 Coralbell, 2 yr. |
| (B) 1 Black Quinceberry, 2 yr. | (G) 1 Baby Lombardy Poplar, 2 yr. |
| (C) 1 Caragana Lorbergi, 2 yr. | (H) 1 Baby White Birch, 2 yr. |
| (D) 1 Caragana Pigmy, 2 yr. | (I) 1 Baby Norway Poplar, 2 yr. |
| (E) 1 Pussy Willow, 2 yr. | |

Gifts must be REQUESTED on orders and are given only on 3 star NURSERY ORDERS sent us by Mar. 15. We reserve the right to substitute if some items are out.

Left — 17-year-old McIntosh which was grafted on "common" root stocks. The common root stock could not endure Minnesota conditions—it died completely, leaving the tree to exist on the few "scion roots" which had come out above the graft. Result: weak, unsatisfactory growth—little or no fruit.

Right — 17-year-old McIntosh which was grafted on our "Special Northern" stocks. The success of this tree is due to the hardy, sturdy root which anchors the tree securely and makes possible vigorous growth of tree and heavy crops of fruit.

\$1.00 Nursery Bargains

- | | |
|--|--------------|
| 2 Hardy Winter Apples, 2-3 ft. | \$1.00, ppd. |
| 2 Hardy Cherry-plum hybrids, 18-24 in. | \$1.00 ppd. |
| 2 Red Berried Mountain Ash, 2-3 ft. | \$1.00 ppd. |
| 2 White Birch, 18-24 in. | \$1.00, ppd. |
| 2 May Day Trees, 2-3 ft. | \$1.00, ppd. |
| 2 Colorado Blue Spruce, 9-12 in. (transplants) | \$1.00, ppd. |

About Shipping

SMALL ORDERS—On nursery orders under \$1.00, it is necessary to include 15c extra packing charge due to high cost of properly packing live plants. No packing charge on orders of \$1.00 or more.

SHIPPING CHARGES—Nursery orders in which all items are quoted prepaid, (such as berries, grapes and roses) will be sent prepaid to the 4th zone or 600 miles only. Beyond that, extra postage will be requested.

NOT PREPAID ITEMS are too large to mail, and will be shipped express or freight. Customer to pay express or freight charges when he receives shipment.

ORDERS CONTAINING BOTH Prepaid and Not Prepaid Nursery items will be sent in one shipment by express, not prepaid. With these shipments we will include extra stock representing a greater value than the postage on any prepaid items included in shipment, would amount to.

NO NURSERY SHIPMENTS INTO THESE STATES—because of great distances and high permit fees: Florida, New Mexico, Nevada, West Virginia and Canada.

SHIPPING TIME—We start shipping about March 15, depending on weather, and continue through April and May. We try to have shipment arrive at best planting time in your section.

About Landscape Plans

If you are anxious to secure an accurate, properly balanced landscape plan that is tailor made to fit your home grounds complete with specifications, laid out in an easy to read manner, send for our Sketch Sheet.

On this sheet are full instructions to help you in making up the rough sketch for your home and grounds.

SEND US A SKETCH AND MEASUREMENTS OF YOUR GROUNDS.

Upon receipt of your rough sketch and \$5.00, our landscape department will prepare a complete plan, together with a planting list, of hardy evergreens, trees, and shrubs best suited to your soil and conditions. This fee applies to average city lots. Larger area plans, priced in proportion.

MONEY SENT FOR PLAN WILL BE APPLIED ON ORDER.

If your nursery order totals \$40.00 or more, the \$5.00 will be credited to the order, thus making this Landscape Service absolutely free.

If you desire a foundation planting only, the landscape fee is \$2.50 and will be credited on your nursery order of \$25.00 or more. No plans can be prepared after March 15.

OUR FAIR PLAY GUARANTEE

All of our Nursery Stock carries the Minnesota Inspection Certificate and is guaranteed true to name and in good growing condition. If for any reason you do not find everything just as represented, notify us at once and we will order shipment returned, refund your money, or replace the items without charge.

Any tree or plant that dies the first growing season we will replace at half the catalog price, the following spring, if loss is reported by October 15th following date of purchase.

We cannot be responsible for losses other than the above.

Certified RASPBERRY PLANTS ★ ★ ★

BIG RED LATHAM

One Inch in Diameter!—

The nationally known King of Red Raspberries. Originated in Minnesota, and grown everywhere. A perfectly hardy, strong, vigorous grower, outyielding all others. Most profitable for market. Quantity prices below.

RED CHIEF—Ten Days Earlier

Popular early variety—most profitable for early marketing. For continuous fruit production we recommend Chief and Latham. Excellent quality and good yielder. Quantity prices below.

INDIAN SUMMER

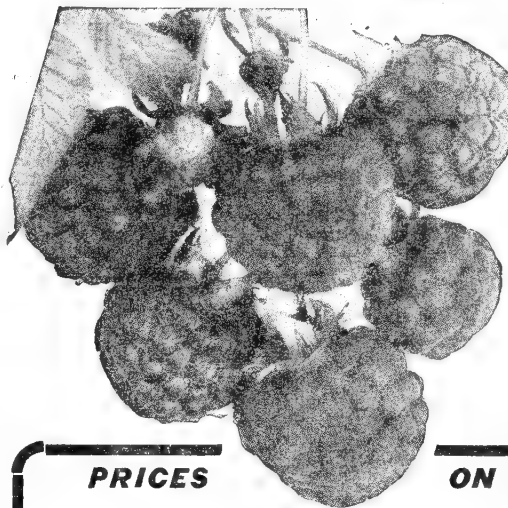
Everbearing Red Raspberry

A new Two-crop Red Raspberry developed by the New York Experiment Station. Bears in summer and again in fall, continuing until frost. The berries are large, somewhat conical, of medium red color and high quality. Plants are hardy and vigorous growers. A real chance to profit from fall marketing. Quantity prices at right. See color photo—page 40.

NEW U. S. SUNRISE

Extra Early—Fine Quality

A brand new red raspberry just released by U. S. Dept. of Agriculture. Be the first to grow this super quality fruit! It's extra early—(2 weeks ahead of Latham), yet berries are large and have better texture, finer quality and more flavor than Latham. Very hardy and disease resistant. Supply limited. Prices at right. Color photo on back cover.



Minnesota Grown and State Inspected Plants

FREE 5 Page Leaflet on Planting and Care of Red Raspberries.

NEW SODUS

Purple Cap Raspberry

A new Raspberry especially noted for fruit production. Berries are large, firm, fine quality and have a wine-red, purple color. You will prize this variety highly. Prices below.

CUMBERLAND

Black Cap Raspberry—

Most profitable Black Cap berry to grow—produces big crops year after year—succeeds on all kinds of soil. Berries extra large, glossy-black. Prices below.

PRICES

ON RASPBERRY PLANTS

		Prepaid to 4th Zone—(600 miles)				
		Size				
		6	12	25	50	100
Latham or Chief	1 yr. Standard.....	\$1.80	\$2.60	\$4.10	\$7.10	\$12.35
	2 yr. Heavy.....	2.15	3.15	4.95	8.55	14.85
Indian Summer or New U. S. Sunrise	1 yr. Standard.....	2.15	3.15	4.95	8.55	14.85
	2 yr. Heavy.....	2.50	3.65	5.65	9.95	17.25
Sodus Purple Cap or Cumberland Black		2 yr. only.....	2.85	4.15	6.55	11.40 19.60
Alfred Blackberry		1 yr. only.....	1.50	2.25	3.50	6.00 10.50
Mammoth Boysenberry		1 yr. only.....	2.15	3.15	4.95	8.55 14.85

BERRIES

BLACKBERRY ALFRED

A crop the second season. Berries are twice as large as ordinary blackberries—often 1½ inches long. The ideal table berry—of fine flavor and practically coreless, with but few small seeds. Stands 35 below zero.

(See Prices under Raspberries, above.)

MAMMOTH BOYSENBERRY

The largest bramble berry. Berries are 1½ to 2 inches long, and of purple color. Flavor is superb and rich. A pleasing blend of Raspberry and Dewberry—fine for eating fresh or canned. A real money maker for market. Requires some winter protection.

(See Prices under Raspberries, above.)

JUMBO BLUEBERRY

Giant Blueberries—two to three times as large as native ones, grow on beautiful ornamental bushes with bell-shaped pinkish blossoms. Make delicious sauce and pies! Planting directions free. They require acid soil, so these plants come packed in acid humus. Strong plants furnished—no replacements made.

2 plants, 2-yr. size, balled in earth, \$2.95, prepaid.

4 plants, 2-yr. size, balled in earth, \$5.35, prepaid.

JUNEBERRY

Resembles the delicious Blueberry. Looks like it, tastes like it, makes luscious pies and sauce like it. But it's easy to grow and quick to bear. No special care—thrives in any soil—very hardy. It's an ornamental shrub with edible fruit. Price: 2 plants, Mailing Size \$1.50, prepaid. (Larger Stock Page 38.)

CRANBERRY Highbush

Beautiful flowering shrubs, later loaded with huge clusters of bright red berries that hang on way into winter. Berries make jelly that looks and tastes exactly like grocery cranberries. See page 41. Price: 2 plants, Mailing Size \$1.10, prepaid. (Larger Stock Page 38.)

GRAPES

FREDONIA Early Black Grape

The earliest large-berried Grape for the North—three weeks earlier than Concord. Vines are vigorous—clusters of medium size, very compact. Offers great opportunities for market or home use. Prices below.

BETA GRAPE Hardy as Wild Grapes

Always dependable, producing heavy crops every year. Fruit of medium size, good quality, early—excellent for jelly and grape juice. Prices below.

NEW MOONBEAM GRAPE

A remarkable triumph of Minnesota's State Fruit Breeding Farm! A full sized, unusually sweet flavored, green grape that withstands 40 below zero without winter cover. Splendid dessert quality. Its attractive foliage makes it the ideal arbor plant. Ripens only slightly later than Beta. See color photo inside front cover. Prices below.

NEW RED AMBER GRAPE

Another achievement of Minnesota's State Fruit Farm. A big, luscious red grape of sweet, spicy flavor, and dessert quality that compares with the best New York grapes. And best of all,—it stands Minnesota's 40 below temperatures with no winter cover! Be among the first to grow them. See color photo inside front cover. Prices below.

CURRANTS

RED LAKE CURRANTS (Minn. 24)

A Minnesota introduction producing heavy crops of big, red berries in long clusters. The bushes are strong and vigorous with healthy foliage. Makes beautiful sparkling bright red jelly. Prices below.

GOOSEBERRIES

CARRIE GOOSEBERRIES

A heavy yielder of good-sized fruit. Perfectly hardy and recommended by Professor Hansen as foremost in quality and productiveness. No shipments made to Connecticut, Idaho, Maine, Massachusetts, Michigan, New Hampshire, New York, Rhode Island, Vermont. Prices below.

NEW "PIXWELL" GOOSEBERRIES

Developed by Dr. Yeager at North Dakota Station. Has very few, soft thorns. Berries hang 2 inches below branches and are much easier to pick than other kinds. Extremely hardy even in Canada. The large bushes bear heavy loads of super-quality fruit.

PRICES ON GRAPES—CURRANTS—GOOSEBERRIES

		Each	Three	Six			Each	Two	Six
GRAPES:					CURRANTS:				
Fredonia or Beta	{ 2 yr., postpaid.....	\$.60	\$1.65	\$2.75	Red Lake	{ 1 yr., postpaid.....	\$0.65	\$1.25	\$3.20
					{ 2 yr., postpaid.....	.75	1.45	3.85	
NEW GRAPES:					GOOSEBERRIES:				
Moonbeam or New Amber	{ 1 yr., postpaid.....	.95			Carrie.....	{ 1 yr., postpaid.....	.65	1.25	3.50
					{ 2 yr., postpaid.....	.80	1.55	4.35	
					Pixwell.....	2 yr., postpaid.....	.95		

Improved APPLES

ALL NORTHERN ROOTED TREES

PRICES BELOW

SEE COLOR
ILLUSTRATIONS
ON PAGE 40

IMPORTANT! Protect your investment in fruit trees for years to come, by insisting on Northern Rooted Stocks. Beware of southern grown, common rooted trees. See the difference on page 30.

Reliable Old Favorites

BIG RED HARALSON APPLE—Produces a good size, deep red, winter apple of excellent flavor, with outstanding keeping qualities—keeping in perfect condition until late spring. It is free from blight and, best of all, has the tendency to bear early. (See page 41.)

CORTLAND—(Improved McIntosh.) This new apple is smashing its way into front page popularity. Its bright red color and top-notch quality make it a favorite of the late fall apples. Flavor is delicious. They are easy to grow and hang long on the trees.

DUCHESS—A popular old favorite, and still one of the most delicious summer apples. It ripens very early, yields heavily, and proves hardy in severe climates.

WEALTHY—The leading apple for its season (Sept. to Jan.). The fruit is large, a beautiful shade of deep red, and the flavor excellent. One of the best eating apples grown in the Northwest. A good keeper and heavy yielder. See page 41.

DELICIOUS—A favorite winter apple for commercial and home orchards. Fruit large, flesh fine grained, sweet, juicy and really delicious. Our northern rooted stock is hardy in favorable locations.

ANOKA—Summer apple, very early to ripen, which bears the second year. Resists blight and produces a consistent crop.

MCINTOSH RED—(See Cortland above.)

NORTHWESTERN GREENING—The fruit is very large, smooth, handsome, turning yellow as it matures. In good demand as a baking and cooking apple for late winter and spring. Season, December to March.

YELLOW TRANSPARENT APPLE—Delicious golden yellow apples. Good to eat long before other sorts are ready. Fruit large, yellow with crisp meat and delicious flavor.

The Finest in Crabs

(Ornamental Crabs—See Page 34)

NEW PIOTOSH CRAB—A new crab from Canada that's even better than Whitney for eating, canning, pickles, or preserves. Medium large, bright red color, very attractive. Bears heavier than Whitney, with better quality, flavor and hardiness. See page 41.

NEW "RED RIVER" CRAB—A North Dakota triumph! A cross of Dolgo ("Beauty Crab"), and the famed Delicious Apple. Result—a new "glamour fruit" combining the beauty, color and zip of Dolgo with the sweet flavor of Delicious. A good sized crab—hardy even in Canada.

RED FLESH CRAB—A novel crab of striking appearance. Red flowers, bright red apples with red flesh! Makes brilliant red apple sauce, jam or jelly. Delightful flavor. Perfectly hardy. See page 41.

WHITNEY CRAB—A favorite in the home for canning and preserving. Fruit is of good size—very highly colored. Immense crops.

DOLGO, THE LAWN TREE CRAB—Has rare beauty as an ornamental lawn tree, and is perfectly hardy. The apple itself is a very rich red, and jells perfectly, even when dead ripe. A fine canning crab. See page 41.

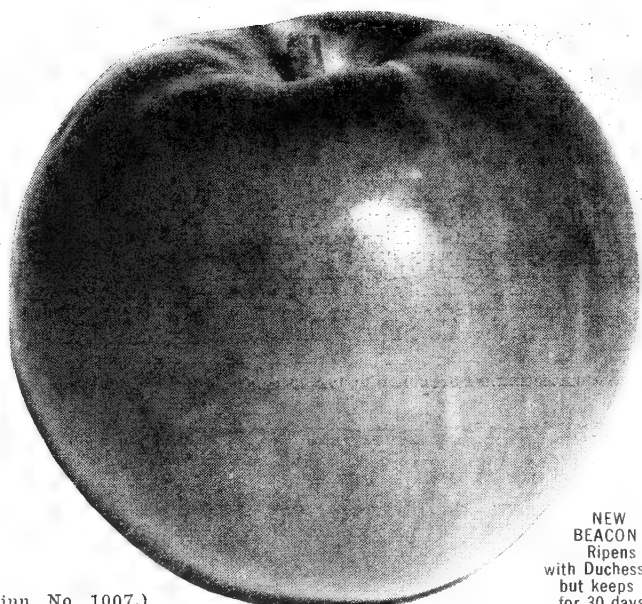
New ★ ★ ★
Experiment
Station
Apples!

NEW PRAIRIE SPY—(Minn. No. 1007.)

A new long-keeping, super quality apple, so far superior to others marketed after Christmas, that a ready market awaits all that can be grown for many years. Very productive and fruit hangs well to trees. No finer quality anywhere. Perfectly hardy anywhere in Minnesota. (See page 40.)

NEW BEACON—(Minnesota No. 423.)

Early fall red eating apple. Ready before Wealthy or McIntosh. Ripens but a few days later than Duchess and will keep a month after harvest. It is highly colored, fine quality and solid red. Hardy, very productive.



NEW
BEACON
Ripens
with Duchess
but keeps
for 30 days

NEW "MINJON" APPLE—A Minnesota Jonathan, so hardy it thrives and produces far North. Bears abundantly and regularly—heavy loads of brilliant all-red apples. Ripens with Wealthy, but colors better, hangs to tree better.

MINNESOTA NO. 790—A splendid new large red winter apple. Hardier and considered superior to Roman Beauty, popular baking apple. No. 790 is highly prized for size, color, flavor and hangs well on the trees. (Pg. 41.)

Don't Let RABBITS

Injure your young
fruit trees.

Protect them during
the winter from
damage by rabbits
and mice by paint-
ing trunks with

SULPHONOL.

One pound treats 20
small trees.

1 POUND,
postpaid **45c**

APPLE TREE PRICES

	Available SIZES	1 to 4 EACH	5 to 9 EACH	10 or more EACH
STANDARD VARIETIES:				
Wealthy	N. W. Greening { 3 to 4 ft.....	\$1.19	\$1.15	\$1.10
Delicious	Cortland { 4 to 5 ft.....	1.29	1.25	1.19
Anoka	Transparent { 5 to 7 ft.....	1.49	1.45	1.39
Haralson	{ 3 to 4 ft.....	1.19	1.15	1.10
Duchess	{ 4 to 5 ft.....	1.29	1.25	1.19
NEW APPLES:				
Prairie Spy	Minjon { 3 to 4 ft.....	1.49	1.45	1.39
Beacon	{ 4 to 5 ft.....	1.75	1.69	1.65
Minnesota No. 790	{ 3 to 4 ft.....	1.49	1.45	1.39
	{ 4 to 5 ft.....	1.75	1.69	1.65
	{ 5 to 7 ft.....	1.98	1.95	1.89
CRAB APPLES:				
Whitney	Red River { 3 to 4 ft.....	1.19	1.15	1.10
Dolgo	{ 4 to 5 ft.....	1.29	1.25	1.19
Red Flesh (no 5-7 ft.)	{ 5 to 7 ft.....	1.49	1.45	1.39
NEW CRABS:				
Piotosh	{ 3 to 4 ft.....	1.49	1.45	1.39
	{ 4 to 5 ft.....	1.75	1.69	1.65
	{ 5 to 7 ft.....	1.98	1.95	1.89

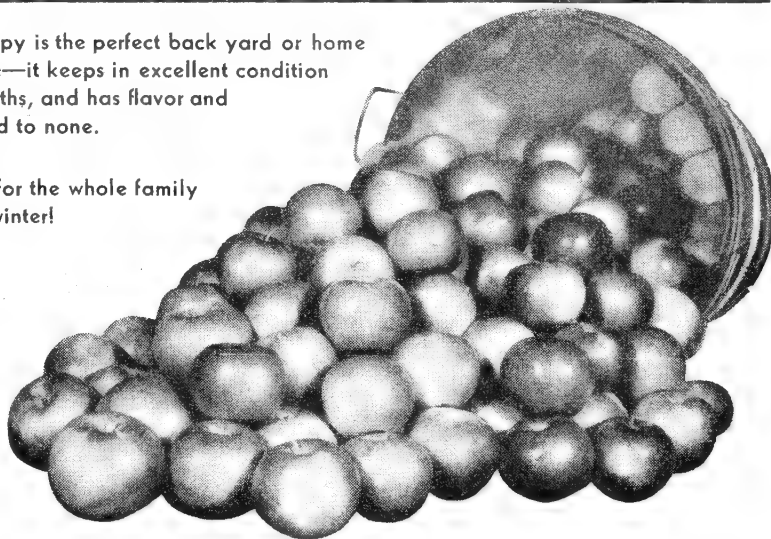
ALL FRUIT TREES SHIPPED EXPRESS NOT PREPAID.

New Prairie Spy is the perfect back yard or home orchard apple—it keeps in excellent condition for many months, and has flavor and quality second to none.

Grow plenty for the whole family to enjoy all winter!

SAVE MONEY!

An apple tree costs no more than a peck of grocer's apples, yet it yields bushels of fruit year after year!



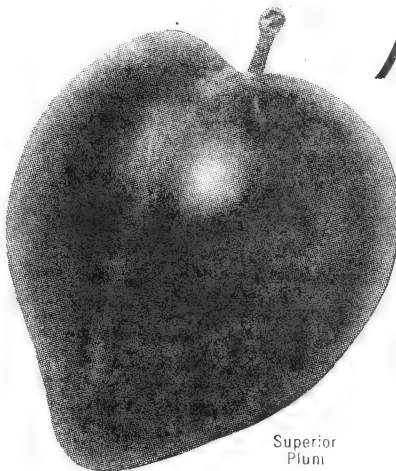
JUMBO PLUMS

SUPERIOR—A hardy plum originated at the State Fruit Breeding Farm by crossing big California Burbank varieties. As large as California plums, surpassing them in quality and hardness. Firm flesh, beautiful red color, peels like a peach. **Prices below.**

KAGA—(Pollinator.) An outstanding canning plum originated by Prof. Hansen of the S. D. Agricultural College. Has a distinct, delicious flavor, and is sometimes called the apricot plum. For canning or jam, it is unsurpassed. A fine pollinator for any plums offered on this page. **Prices below.**

UNDERWOOD—Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Kaga should be planted close together to insure setting of fruit. **Prices below.**

EMBER—A recent origination of our State Fruit Breeding Farm. A late plum of good size with fine dessert and canning qualities. It is yellow with attractive red blush. It hangs to the trees until fully ripe, and keeps in good condition for weeks. **Prices below.**



Superior Plum

SEE COLOR PHOTOS!
NEW PLUMS - CHERRIES

inside front cover — pages 40 and 41.

New Plums

RECENT
RELEASES

NEW REDCOAT—(Free Stone)

This brand new Minn. State Fruit Farm plum bears heavy loads of choice quality, all red, prune shaped fruit, with a perfectly free stone. A grand improvement over Red Wing and older plums. **Prices below.**

NEW PIPESTONE PLUM

Minnesota's newest "JUMBO" Plum! Largest of all and much better than most plums now grown. Extra early—ripens first week in August. A heavy cropper—exceptional eating quality and also excellent for canning. Color photo page 41. **Prices below.**

NEW SUGAR PLUM—(Pollinator)

Sugar Plum (South Dakota 27) has proved a most efficient pollinator for other plums on this page. It's a most attractive red and yellow plum of delightful flavor. Ideal for eating out of hand or canning. **Prices below.**

Minnesota Grown HARDY CHERRIES

These delicious hybrid cherries are becoming more popular each year because they're extremely hardy—surviving temperatures of 40 below, they thrive in any soil—even sandy types. They produce loads of fruit 2 or 3 years after planting, and the fruit finds a ready market because of its splendid quality—unexcelled for canning, for sauce and pies, and some varieties such as Sapa, are delicious eaten fresh!

SAPA CHERRY

A big purple-red hybrid cherry with delicious wine red flesh. Thin skinned, small pit. Makes pies and sauce of most appetizing color and flavor. Often sets fruit second year. Yields best if grown as a large bush by pruning severely, cutting out older growth annually. Plant with Hansen Bush Cherry to insure pollination. **Prices below.**

OKA CHERRY

A fine hardy hybrid cherry, with skin and flesh a rich purple-red color. The meat is firm, juicy and of superb flavor. The trees are immensely productive and fruit regularly. Should be grown in bush form as suggested for Sapa. For best results plant with Compass Pollinator Cherry or Hansen Bush Cherry. **Prices below.**

COMPASS CHERRY

Hardy throughout the Northwest and Canada. Fruit is black, of medium size and good quality. Makes delicious pies, preserves, etc. A good pollinizer for Sapa and Oka.

OPATA CHERRY

Bears loads of dark purple red cherry-plums, generally the 2nd year. Excellent to eat out of hand. Fruit ripens very early in August, is thin skinned and has very small pit. A good pollinizer for Sapa and Oka.

The Best Pollinizer for All Hybrids!

HANSEN'S BUSH CHERRY

Produces loads of deep red fruit very early. Makes finest jam. Stands severe drought. Ideal for hedges or foundation planting. A midget sensation in full bloom. Silver-green foliage turns red and gold in fall. Order at least 2 plants to insure pollinating each other. Hansen's has proved the most efficient pollinizer for all hybrid cherries listed here. **Prices below.**

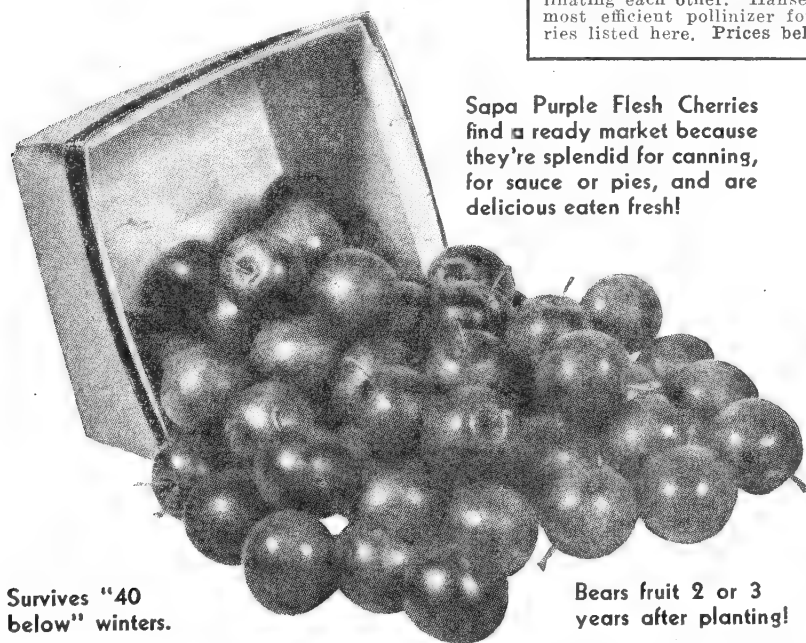
IMPROVED NANKING CHERRIES



When the hardy Nanking Cherries of Northern China were first brought to this country, the Minnesota and Manitoba Experiment Stations began improving the strains by selection, and we offer budded stocks of these choice Minn. and Manitoba varieties. Avoid planting seedlings—their fruit does not compare with these improved varieties which are delicious eaten fresh, or in pies and preserves!

Prof. Alderman of University Farm says, "They are very hardy, very productive and have excellent quality. The bushes are attractive in spring when they are a mass of bloom, and again in July when they are covered with ropes of red or yellowish-red fruit. The fruits have a true cherry-like flavor and are excellent for sauce or jelly-making."

Fruit is so abundant, it takes but a few minutes to pick a quart or two in your own yard for fresh cherry pie or sparkling jelly. Neat, trim, bushes grow 5 to 7 ft. high—ideal for lawn planting. Nanking often bears the second year and by third season branches are loaded with fruit—see color photo—front cover. Order two or more,—we select varieties to insure pollination. **Prices below.**



Sapa Purple Flesh Cherries find a ready market because they're splendid for canning, for sauce or pies, and are delicious eaten fresh!

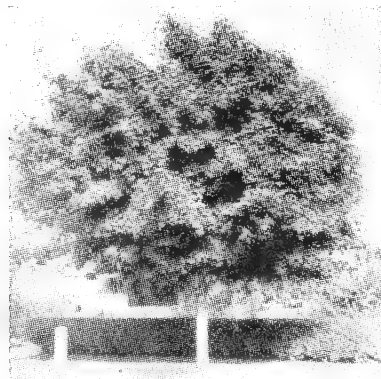
Survives "40 below" winters.

Bears fruit 2 or 3 years after planting!

PRICES: PLUMS & CHERRIES

	Available SIZES	1 to 4 EACH	5 to 9 EACH	10 or more EACH
PLUMS:				
Underwood.....	3 to 4 ft.....	\$1.49	\$1.45	\$1.39
Kaga.....	4 to 5 ft.....	1.75	1.69	1.65
Redcoat.....	5 to 7 ft.....	1.98	1.95	1.89
Pipestone.....				
Superior.....	3 to 4 ft.....	1.49	1.45	1.39
Ember.....	4 to 5 ft.....	1.75	1.69	1.65
Sugar Plum.....				
HYBRID CHERRIES:				
Sapa.....	3 to 4 ft.....	1.49	1.45	1.39
	4 to 5 ft.....	1.75	1.69	1.65
	5 to 7 ft.....	1.98	1.95	1.89
Compass.....	3 to 4 ft.....	1.49	1.45	1.39
	4 to 5 ft.....	1.75	1.69	1.65
Opata.....	4 to 5 ft.....	1.75	1.69	1.65
	5 to 7 ft.....	1.98	1.95	1.89
Oka.....	2 to 3 ft.....	1.29	1.25	1.20
	3 to 4 ft.....	1.49	1.45	1.39
BUSH CHERRIES:				
Improved Nanking.....	2 to 3 ft.....	1.35		
	3 to 4 ft.....	1.75		
Hansen.....	18 to 24 in. (1 year).....	.45	.39	.35
	18 to 24 in. (transplants).....	.65	.59	.55
	2 to 3 ft. (transplants).....	.85	.79	.75

Shade & Ornamental TREES



Norway
Maple



A
color-
ful
shade
tree.
6 to 8 ft.

Branched
Trees
Each

\$2.35

Mountain Ash For Lawn Specimen

MOUNTAIN ASH, EUROPEAN—Very showy lawn tree with its white flowers followed by large clusters of bright orange berries, in autumn. Beautiful dark green foliage.

Basswood A Fine Shade Tree for the Lawn

AMERICAN LINDEN (BASSWOOD)—A rapid grower and perfectly hardy. Grows in pyramidal form, has large leaves and fragrant flowers.

Maples Handsome Lawn and Shade Trees

HARD OR SUGAR MAPLE—The very finest in stately beauty and permanence for lawn and boulevard. Gorgeous foliage, especially in autumn when leaves turn to clear yellow and scarlet.

SILVER OR SOFT MAPLE—A rapid grower for quick effect. Leaves appear in early spring, are bright green in color with lower side silvery.

NORWAY MAPLE—Popular for its attractive dome shaped head. Grows to large size, with deep green foliage which turns yellow in autumn.

RED SCHWEDLER MAPLE—Striking purplish-crimson leaves, turning bronze-green in midsummer. Shaped like Norway Maple—a thing of beauty in the yard!

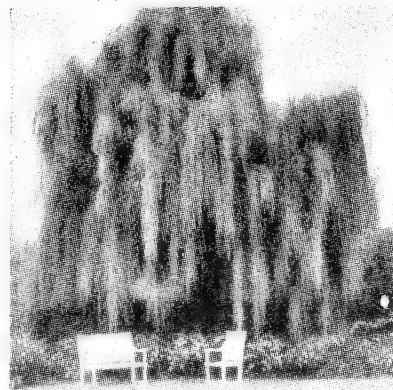
Birch Graceful for Lawn Specimen Planting

CUT LEAF WEEPING BIRCH—Admired for its delicately cut foliage on graceful drooping branches, and silvery white bark! Best in moist locations.

WHITE BIRCH—A graceful tree with silvery white bark. Most effective when planted in clumps among evergreens.

NOTE:

All
shade
trees
f. o. b.
Fari-
bault
ship'd
express
or
freight



Willow Ornamental Lawn Tree for Background Use

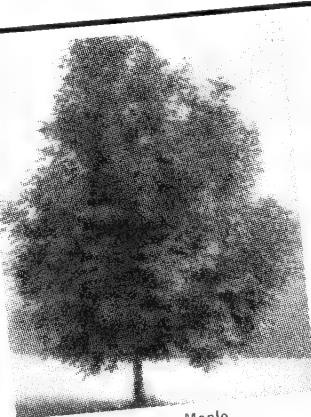
NIobe WEEPING WILLOW—Graceful drooping form—lovely golden bark, and silver lined foliage. Very hardy.

Walnut The Familiar Native Nut-Bearing Tree

BLACK WALNUT—Large, well shaped, majestic shade trees. Valuable for lawn planting, and for its timber and choice nuts.



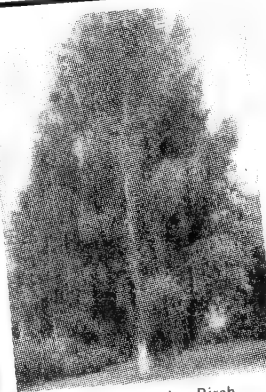
Red Schwedler Maple
6-8 ft. Branched Trees, \$3.35 Each



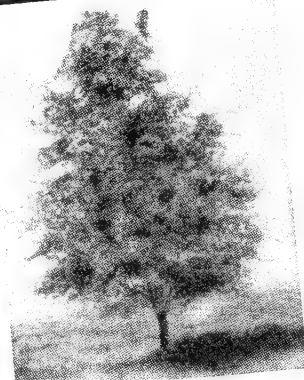
Hard or Sugar Maple
6-8 ft. Trees, \$1.50 Each



Lombardy Poplar
6-8 ft. Trees, 85c Each



Cut Leaf Weeping Birch
6-8 ft. Trees, \$3.95 Each

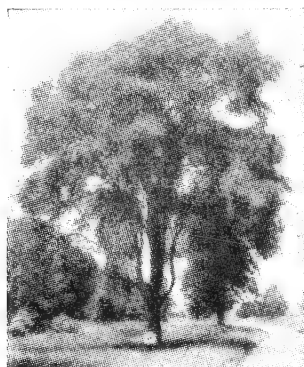


Chinese Elm
Large 8-10 ft. Trees, \$2.00 Each

Elms Splendid for Shade on Lawn or Boulevard

AMERICAN ELM—The most popular hardy native tree. Grows tall, graceful and spreading. Very hardy. Grandest of all permanent lawn and boulevard trees.

CHINESE ELM, SIBERIAN STRAIN—The fastest growing shade, ornamental or windbreak tree. Very hardy—resistant to drought and extreme temperatures. Attains a height of 60 ft., and girth of 12 ft. or more.



American
Elm



grandest
of all
shade
trees

6-8 ft. Trees \$1.15

8-10 ft. Trees \$1.85

PRICES ON LAWN TREES

Prices are not prepaid—Trees are shipped Express or Freight

	5-6 ft. Each	6-8 ft. Each
MAPLES:		
Hard Maple.....	\$1.25	\$1.50
Soft Maple.....	1.25	1.45
Norway Maple (Branched Trees).....	2.35	
Schwedler Maple (Branched Trees).....		3.35
MOUNTAIN ASH.....	1.25	1.45
BASSWOOD (Linden).....	1.65	2.15
BLACK WALNUT.....	1.50	1.75
ELMS:		
American Elm.....	.85	1.15
Chinese Elm.....	.95	1.25
POPLARS:		
Lombardy Poplar.....	.75	.85
Bolleana Poplar.....	1.50	2.00
Norway Poplar.....	.85	.95
BIRCH:		
Cut Leaf Weeping Birch.....	2.95	3.95
White Birch.....	1.55	1.75
NIobe WEEPING WILLOW.....	.85	1.25

Flowering CRABS

RED SILVER—Red from top to bottom in leaf, blossom and fruit! Delicate silver under leaves. Reddest blooms of any crab. It's striking!

HOPA (ROSE PINK)—A most beautiful Flowering Crab. Ideal for the North. Blood-red buds, followed by a profusion of large, single, deep rose blossoms, which remain longer than others. Fruit makes fine jelly.

PRICES - (RED SILVER & HOPA)

3-4 ft. \$1.35 4-5 ft. \$1.65

5-6 ft. \$1.95

(By Express-Not Prepaid)

Poplars For Background, Accent or Screening

LOMBARDY POPLAR—Forms a tall, slim, symmetrical column, tapering to a pointed top. Ideal for landscape effect and screen planting—a rapid grower.

BOLLEANA POPLAR—Similar in form to Lombardy, but the rich green leaves are silver white beneath, and shimmer when turned by breeze. Beautiful, smooth grey-green bark.

NORWAY POPLAR—Also called Carolina poplar, a hardy quick-growing tree with bright green, dense foliage. Grows anywhere.

★ ★ ★ Save Money on WINDBREAK TREES ★ ★ ★

We offer hardiest recommended varieties for the Northwest. Plant two to five rows for real effectiveness. Plant 6 feet apart in rows 8 feet apart. Cultivate first two years if possible.

You can earn AAA payments of \$2.00 per 100 windbreak trees planted or \$1.00 per 100 woodlot trees planted in 1945, according to the Tentative Minnesota Practice Bulletin. Also, mentioned is a Tree Maintenance payment of \$3.00 per acre on trees planted between July 1, 1940, and July 1, 1945. See your County Agent or County Committee for full details.

	AMERICAN ELM CHINESE ELM	SOFT MAPLE GREEN ASH		
Size	50	100	500	1000
18 to 24 in. Not Ppd.	\$1.75	\$3.25	\$14.85	\$28.85
2 to 3 ft. Not Ppd.	2.35	4.25	19.85	39.85
3 to 4 ft. Not Ppd.	4.95	7.50	36.25	68.85

	RUSSIAN GOLDEN WILLOW	
2 to 3 ft. Not Ppd.	\$3.25	\$5.85
3 to 4 ft. Not Ppd.	3.65	6.85
4 to 5 ft. Not Ppd.	4.65	8.85

	NORWAY POPLAR	
3 to 4 ft. Not Ppd.	\$4.65	\$8.85

	BLACK WALNUT	
6 to 12 in. Not Ppd.	\$2.15	\$3.75
12 to 18 in. Not Ppd.	2.65	4.75

Giant Size Special

25 GREEN ASH	25 SOFT MAPLE
25 AMERICAN ELM	25 GOLDEN WILLOW

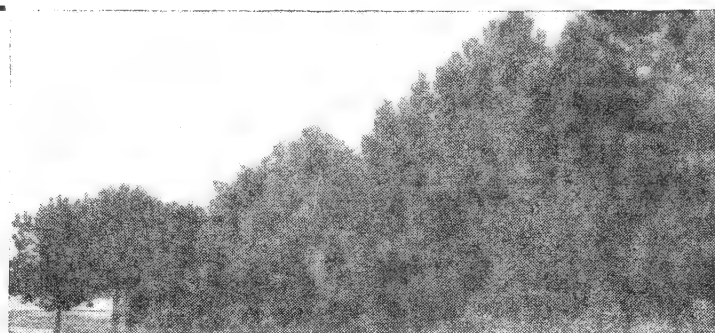
100 TREES
3 to 4 ft.
(VALUE \$9.24)
ONLY \$7.35

SHIPPED BY
EXPRESS
OR
FREIGHT
F. O. B.
FARIBAULT

ORDER
EARLY!
SUPPLY
LIMITED.

SCOTCH PINE

An
Ideal
Drought-
Resistant
Windbreak



Evergreen Windbreak Bargains!

Evergreen transplants may be set out directly into the windbreak row and cultivated like rows of corn. Seedling evergreens should be set in the garden and given special care for two years before resetting into permanent windbreak.

Size	10	25	50	100
COLORADO BLUE SPRUCE				
9 to 12 in. Transplants. Prepaid	\$3.85	\$ 7.75	\$13.45	\$25.00
12 to 15 in. Transplants. Not Prepaid	7.25	14.45	26.85	49.85
15 to 18 in. Transplants. Not Prepaid	7.95	15.95	29.95	59.85

DOUGLAS FIR

12 to 15 in. Transplants. Not Prepaid	\$7.25	\$14.45	\$26.85	\$49.85
15 to 18 in. Transplants. Not Prepaid	7.95	15.95	29.95	59.85

AUSTRIAN PINE

6 to 9 in. Seedlings. Prepaid	\$1.95	\$3.85	\$5.75	\$ 9.50
9 to 12 in. Seedlings. Prepaid	2.45	4.85	7.65	13.25

AMERICAN ARBORVITAE

12 to 15 in. Transplants. Not Prepaid	\$6.15	\$12.35	\$22.75	\$43.50
15 to 18 in. Transplants. Not Prepaid	7.35	14.75	27.50	53.00
18 to 24 in. Transplants. Not Prepaid	8.25	16.50	31.00	59.85

**FARM
Windbreak
SPECIAL**

75 GREEN ASH
75 AMERICAN ELM
50 SOFT MAPLE

200 TREES
18 to 24 in.
(VALUE \$7.00)
ONLY \$5.95

200 TREES
2 to 3 ft.
(VALUE \$9.40)
ONLY \$7.95

All
Not
Ppd.

★ ★ ★ HARDY HEDGES ~ The Friendly Way to Fence

CHINESE HEDGEWOOD

Extremely hardy, drought resistant and a quick, compact grower. Covered with small, bright green foliage from early spring until late fall. Forms a dense screen. Can be trimmed to any height desired.

RED HONEYSUCKLE

An ideal quick-growing tall screen hedge. Grows 10 to 12 ft. tall, very hardy. Covered with many small rose-pink blossoms in spring, followed by decorative red berries. Plant 24 to 30 inches apart.

DWARF NINEBARK

The finest shrubs we know of for a low growing hedge that's extra hardy for the North and requires a minimum of trimming. Grows 4 feet tall—can be trimmed to any desired height. The small delicate leaves are most attractive and delightfully colored in autumn. Dainty white blooms in spring followed by decorative red pods.

BARBERRY THUNBERGI

Makes a neat, low boundary. Can be trimmed or grown naturally. Foliage turns to brilliant crimson in fall; branches are covered with scarlet berries.

ARBORVITAE EVERGREEN HEDGE

Of all evergreens, American Arborvitae seems best adapted to hedge purposes. It's slower to develop than the hedges above, but its beauty and effectiveness are admired winter and summer. Can be trimmed to any shape and height desired. Makes a splendid low formal hedge or a high screen hedge. Set plants 18 inches apart.

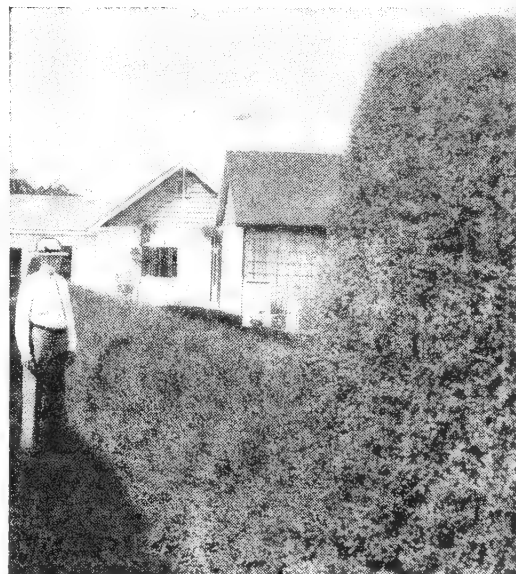
50 Plants
Make a 50 Foot Hedge

(Set plants 1 ft. apart for thick hedge.)

PRICES ON HEDGE PLANTS

(Shipped Express F. O. B. Faribault)

Size	25	50	100
CHINESE HEDGEWOOD			
18 to 24 inch	\$3.85	\$6.95	\$11.85
RED HONEYSUCKLE			
18 to 24 inch	\$7.35	\$12.85	\$24.85
BARBERRY THUNBERGI			
12 to 18 inch	\$2.65	\$4.35	\$7.85
DWARF NINEBARK			
12 to 18 inch	\$5.15	\$9.65	\$16.35
ARBORVITAE EVERGREEN HEDGE			
12 to 18 inch. Transplants	\$12.35	\$22.75	\$43.50
15 to 18 inch. Transplants	14.75	27.50	53.00
18 to 24 inch. Transplants	16.50	31.00	59.85



Chinese Hedgewood makes low, formal hedge or a high screen hedge. Can be trimmed to any desired height.

Set Evergreen Windbreaks 6 to 8 feet apart in the row and 12 to 15 feet apart between rows.

★ ★ ★ EVERGREENS ~ for Year 'round Beauty

IMPORTANT! Junior Size Evergreens are puddled in mud and then packed together in wet moss. Master Sizes are individually wrapped in wet moss.

Upon arrival of your Evergreens, remove all packing material at once and thoroughly soak the roots in muddy water. Then plant at once.

Blue Spruce SHINERS are balled in earth and burlapped. Read carefully the planting directions attached to your order.

FULL PLANTING INSTRUCTIONS WITH EVERY ORDER

Junior and Master Sizes Shipped Express Collect
—Blue Spruce Shiners by Freight.

EVERGREEN PRICES

PRICES BELOW ARE F.O.B. FARIBAULT.

PYRAMIDAL ARBORVITAE		PYRAMIDAL ARBORVITAE	
JUNIOR SIZE		MASTER SIZES	
Roots Puddled.		Individual Wrap.	
Size	Each	Size	Each
18-24 in.	\$1.75	2-3 ft. Ind. Wrap.	\$3.85
AMERICAN ARBORVITAE		AMERICAN ARBORVITAE	
18-24 in.	\$1.50	2-3 ft. Ind. Wrap.	\$2.85
SILVER CEDAR		SILVER CEDAR	
24-30 in.	\$2.95	2-3 ft. Ind. Wrap.	\$3.85
PFITZER JUNIPER		PFITZER JUNIPER	
12-15 in.	\$1.95	15-18 in. Ind. Wrap.	\$2.75
		18-24 in. Ind. Wrap.	\$3.65
SAVIN JUNIPER		SAVIN JUNIPER	
12-15 in.	\$1.95	15-18 in. Ind. Wrap.	\$3.45
		18-24 in. Ind. Wrap.	\$4.45
DWARF MUGHO PINE		DWARF MUGHO PINE	
10-12 in.	\$1.65	15-18 in. Ind. Wrap.	\$3.95
		18-24 in. Ind. Wrap.	\$4.75
COLORADO BLUE SPRUCE		COLORADO BLUE SPRUCE	
		(Medium Blue)	
12-15 in.	\$1.75	18-24 in. Ind. Wrap.	\$3.95
15-18 in.	1.95		
COLORADO BLUE SPRUCE SHINERS		COLORADO BLUE SPRUCE SHINERS	
(Bare Root Stock not offered)		15-18 in. B&B.	\$4.85
		18-24 in. B&B.	7.45



EVERGREENS FOR FOUNDATION PLANTING

Upright Types

PYRAMIDAL ARBORVITAE — Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Compact and of natural pyramidal form.

AMERICAN ARBORVITAE (White Cedar). Will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Develops a compact, graceful pyramid. Easily controlled by trimming.

SILVER CEDAR — Forms a narrow compact symmetrical pyramid of light silver—so decorative, especially for entrance planting. Can be trimmed as desired and will attain a height of 12 to 15 feet if untrimmed.

Low-Growing Types

PFITZER JUNIPER — Has spreading branches, handsome gray-green foliage—hardy everywhere and one of the most popular Junipers. Grows 3-4 ft. tall—thrives in shade or sunshine.

SAVIN JUNIPER — Beautiful trailing Juniper—favorite of all landscape planters. Has dark green tufted foliage, covering dense spreading branches. Extremely hardy—can be trimmed as desired.

DWARF MUGHO PINE — Dwarf, bushy, compact. Ideal for foreground position. Dark, rich green, long, stiff needles.

FOR LAWN SPECIMEN AND GROUP PLANTING

SPRUCE, COLORADO MEDIUM BLUE (Picea pungens.) Develops a broad pyramid thickly studded with branches clear to the ground, covered with heavy lustrous foliage of varying tones—sometimes deep green, again touched with silver, while others have a decided blue tinge. All grown from seed gathered from select Blue Shiners, but do not show blue until 18 to 24 inches high.

SPRUCE, COLORADO BLUE SHINERS (Picea pungens glauca). The 'Extra Blue' trees—trees of magnificent form, as their thick branches climb in even layers from a broad base to a tapering crown, with heavy, lustrous foliage reflecting the most glorious silver and blue tones. Well rooted, heavy specimens, three times transplanted.

Special Entrance and Corner Planting Collection—Page 79.



Lilacs For Fragrance and Gorgeous Beauty

★ ★ ★ FRENCH HYBRID LILACS ★ ★ ★

French Lilacs bear larger flowers and bigger, heavier trusses of bloom than those of the common Lilac. They are gorgeous in coloring, very free-flowering, and have delightful fragrance.

CHARLES JOLY. Double. Deep wine-red. The large trusses are held erect, well above the foliage.

MADAME LEMOINE. Double. Pure white, without a tinge of cream. Panicles large, long, erect.

PRESIDENT GREY. Double. Clear delicate light blue. Immense panicles, very symmetrical.

See Color Photo Page 39.

Three French Lilacs

- 1 Charles Joly—Red.
- 1 Madame Lemoine—White.
- 1 President Grey—Blue.

3-year size.

\$265

By Exp. not ppd.

Same Collection
In 4-year size \$3.25 not ppd.

FRENCH LILACS { 3 Yr. Plants, 98c Each, not ppd.
4 Yr. Plants, \$1.25 Each, not ppd.

PERSIAN LILAC

True Rothomagensis—Deep Pink

Truly beautiful planted by themselves or in foundation plantings. Makes the finest of all flowering screen hedges for the north. Presents a breath-taking sight in full bloom, in May. Eventual height, 10 ft. Bushes all grow even in height, graceful and well rounded with all blossoms on the outside. 3-yr. plants 75c each, 4-yr. plants 85c each, by express, not prepaid.

VILLOSA LILAC

This is the Pink Flowering Lilac that comes into bloom when all other Lilacs are gone. Grows ten feet high. The large broad plume-like panicles are of a delicate pink color. 3-yr. plants 65c each, 4-yr. plants 75c each, by exp. not ppd.

Hardy Everblooming



ROSES

Paul's Scarlet Climber and Hansa are shown in color on Page 39

Hansa—a fragrant double wine-red Rugosa.

FRAU KARL DRUSCHKE. Hybrid Perpetual. This is the ideal hardy white rose. The snow-white, long buds are shaded pink, and open to immense, perfectly double flowers, often 4 inches across. Pure in color, perfect in form, strong grower and remarkably free flowering. 2-yr. field-grown plants, each \$1.00, ppd.

GRUSS AN TEPLITZ. Hybrid Tea. Color, richest scarlet, shading to velvety crimson. Very fragrant. A free, strong grower and continuous bloomer. An ideal garden rose succeeding under the most ordinary conditions. 2-yr. field-grown plants, each \$1.00, ppd.

TALISMAN. Hybrid Tea. Brilliant red and gold buds opening to well-shaped blooms of scarlet-orange and rich yellow. The finest of all garden roses for cutting. Constantly in bloom. The plant is strong and vigorous with healthy disease-resistant foliage. 2-yr. field-grown plants, each \$1.00, ppd.

Earn Free Gifts
with Your Nursery Order.
Details—page 30.



Talisman—a brilliant orange-yellow and coppery-red combination.

Hardy Rugosa Roses

BELLE POITEVINE. Queen of the pinks. Clusters of double, magenta-pink roses over a long season. 2-yr. field-grown plants, each \$1.00, ppd.

F. J. GROOTENDORST. Produces full clusters of small, semi-double roses of a bright crimson. Resembles the Crimson Baby Rambler. Always in bloom. 2-yr. field-grown plants, each \$1.00, ppd.

HANSA. Large, double, fragrant flowers of a rich, wine-red color. Handsome dark green foliage. Sturdy and free flowering. 2-yr. field-grown plants, each \$1.00, ppd.

SIR THOMAS LIPTON. Fragrant, double white blooms in clusters. Early and free flowering. 2-yr. field-grown plants, each \$1.00, ppd.

A New Rugosa Hybrid

DR. ECKENER. Large semi-double flowers of coppery rose and golden yellow. Very fragrant. New and unusual, it is really a Hybrid Tea flower on a Rugosa plant—the Talisman of the Rugosas. 2-yr. field-grown plants, each \$1.25, ppd.

Climbing Roses

DOROTHY PERKINS. Soft shell-pink flowering profusely in large clusters. Very fragrant and lasting. 2-yr. field-grown plants, each 75c, ppd.

PAUL'S SCARLET CLIMBER. Most brilliant of all roses. Color, a vivid scarlet; flowers semi-double, produced in clusters on much-branched canes. 2-yr. field-grown plants, each \$1.25, ppd.

Winter Care of Climbing Roses—

Lay canes of Climbing Roses on the ground, and cover with 6 inches of earth and straw or leaves. Do not remove covering until all danger of freezing is past in spring.

Soil Soaker

Puts the Water On the Ground Where It Belongs

Soil-Soaker, open only at one end, screws to the end of the water hose, replacing the nozzle of sprinkler. When the water is turned on, Soil-Soaker fills with water—and normal pressure forces water through the pores of the entire surface of Soil-Soaker, uniformly, without spray. The soil is soaked deeply and thoroughly, covering an area on all sides of Soil-Soaker. Far more beneficial than light surface sprinkling.

Approximately 25% More Efficient

By regulating water flow or pressure at the faucet, all the water may be placed where it will do the most good. Water bills are greatly reduced. The ground is soaked but not the foliage, reducing to a minimum mildew, black spot, and many other leaf troubles caused by overhead sprinkling of flowers.



Offered in Four Lengths	
	Each
No. 0—12 feet....	\$1.40
No. 1—18 feet....	1.90
No. 2—30 feet....	2.90
No. 3—50 feet....	4.75

All Postpaid

LIKE
ALL
NIGHT
RAIN

SOIL-SOAKER

Climbing & Flowering VINES

To screen and shade porches, to cover trellises and arbors and to insure privacy. Small yards and gardens may be fenced and completely inclosed in a wall-of-green, by training hardy vines on the fence.

ENGELMAN'S IVY (Ampelopsis Engelmanni)

To Cover Brick or Stone Walls and Fences.

Clings without support to brick, stone or plaster. Hardy and a rapid grower. Dense green foliage, turning to crimson in fall. 2-yr. vines, 2 for 95c.

BITTERSWEET (Celastrus Scandens)

A Twining Vine to Cover Pergolas and Tree Stumps.

A native climber grown for its brilliant orange berries so popular for winter bouquets. Plant 2 or more in a group to insure bearing fruit. 2-yr. vines, 2 for 55c.

PURPLE CLEMATIS (Clematis Jackmani)

To Grow on Trellis or Lattice.

Widely known for its large, velvety, violet-purple flowers. Succeeds best when planted in rich soil and partial shade. 2-yr. vines, each \$1.25.

HONEYSUCKLES

Scarlet Trumpet Honeysuckle

For Arbors, Pergolas and Trellises.

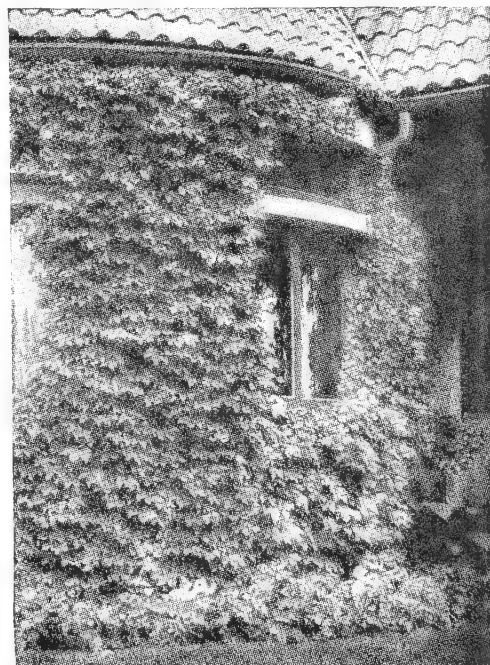
A vigorous twining vine with showy, trumpet-shaped flowers of bright scarlet. 2-yr. vines, 2 for 95c.

New Goldflame Honeysuckle

Can be Grown as a Vine or Sheared to Form a Shrub.

Bears immense clusters of fragrant, trumpet-shaped flowers—outside petals brilliant flame-pink, inside creamy golden yellow. Foliage, dark and glossy. 2-yr. plants, each 75c.

If wanted by Parcel Post add 10c for 2 Vines, and 20c for Postage on 4 Vines.



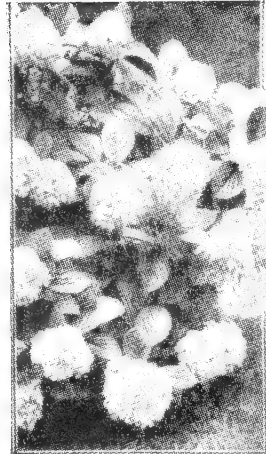
Engelman's Ivy rambles over stone, brick or plaster walls and clings tight without support. Turns crimson in fall.

On Nursery Orders Amounting to Less than \$1.00, add 15c for Packing.

Flowering & Ornamental HARDY SHRUBS



Plant dwarf shrubs (marked D.), 2 ft. apart; Medium (marked M.), 3 ft. apart; Large (marked L.), 4 ft. apart.



3 Choice Shrubs

Hydrangea Large-Flowering

(*Paniculata Grandiflora*). M. Produces enormous panicles of pure white flowers, which change to pink and bronze in fall; often cut for winter house decoration.

Hydrangea

← Snowhill

Hydrangea Snowhill (Arborescens). M. Large white snowball-like flowers from July to frost. Likes partial shade.

Double-Flowering Mockorange

(*Virginal*). L. Magnificent new variety with large creamy-white, fragrant double flowers. In full bloom in spring, followed by occasional flowers all season.

Price, any of the above Choice Shrubs:

3 year size, 98c 4 year size, \$1.25

Shipped Express, not prepaid

Popular for Quick Effect

BARBERRY, RED LEAF. D. Rich bronze-red leaves that hold their color all summer. A bright contrast to other shrubs. Plant in full sunlight.

FORSYTHIA (Golden Bell). L. A graceful ornamental shrub with brilliant golden yellow bell-shaped flowers in early spring.

GOLDEN ELDER. L. A handsome, wide-spreading shrub with bright yellow leaves all season. The color is more intense when planted in a sunny position.

HONEYSUCKLE, RED BUSH (*Lonicera Tartarica Rosea*). L. Delicately shaped rose-pink flowers followed by bright red berries. Thrive in sun or shade. Makes ideal tall screen hedge along back boundary of lot to screen off any undesirable view.

SNOWBALL. Old-Fashioned Favorite. L. Covered with pure white "snowballs" in early spring. Grows in full sun or partial shade.

WEIGELA (Floribunda). M. Of spreading habit, with slender branches well covered with crimson trumpet-shaped flowers in July.

YOUR CHOICE OF ABOVE SHRUBS:

3 year size, 65c

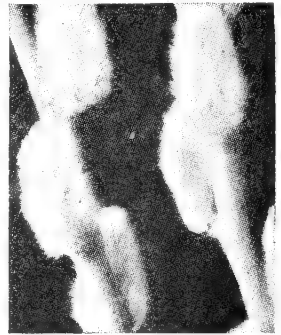
4 year size, 75c

Shipped Express, not prepaid

Pussy Willow →

(*Salix Caprea*). L. Large shrubs valued for their silky catkins, which appear early in spring, before the foliage. Grows on wet or dry soil, to a height of 15 ft.

3-yr. size 55c
4-yr. size 65c
Shipped Express. Not Prepaid.

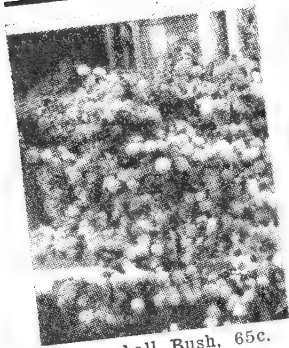


Pussy Willow, 55c.

BARBERRY (Thunbergi). D. Its low spreading growth forms a dense bush. Scarlet and bronze in fall, studded with brilliant red berries. 3-yr. 55c, 4-yr. 65c, not ppd.

DOGWOOD, RED-TWIGGED (*Cornus*). L. Bright coral-red branches make this sturdy shrub attractive in all seasons. 3-yr. 55c, 4-yr. 65c, not ppd.

LILACS—French and Chinese: pages 36, 39.



Snowball Bush, 65c.



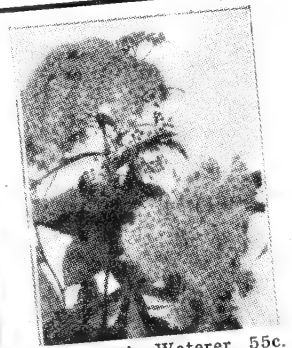
Forsythia, 65c.



Weigela, 65c.



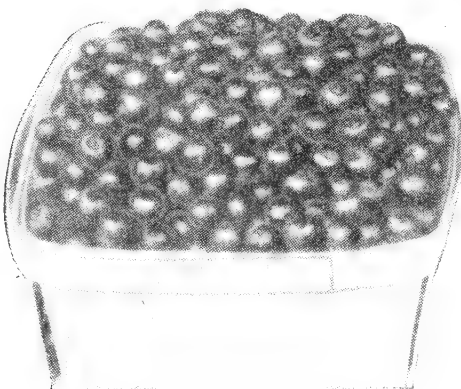
Bridal Wreath, 55c.



Spirea A. Waterer, 55c.

All Shrubs Shipped Express, not prepaid.

Handsome FRUIT-BEARING SHRUBS



Juneberries Make Luscious Pies

American Date Berry (L)

School boys' favorite! Novel blue-black berries resemble miniature dates. Relished by youngsters and old-timers alike—who recall them as "black haws". Small ornamental trees, ideal for lawn, bear clusters of white flowers in spring, followed by tasty, decorative date berries lasting into winter. Prices at left.

Juneberry (M)

Fruit resembles in every way the delicious Blueberry. Looks like it, tastes like it, makes luscious pies and sauce like it. BUT—you can grow Juneberry quickly and easily. No special care or soil conditioning. Super-hardy, fast-growing, thrives in any soil! Its beautiful white blossoms, its red berries which turn blue when ripe, make this plant highly ornamental as well as useful. Order at least 2 plants to insure setting of fruit. Prices at left.

Highbush Cranberry (L)

Attractive, tall, flowering shrubs with white blooms followed by huge clusters of bright red berries which hang on way into winter. A beautiful lawn ornament! The berries make delicious jelly that looks and tastes exactly like that of the Cranberry one buys at the grocery! Prices at left.

PRICES OF FRUIT-BEARING SHRUBS

3 YEAR, 75c

4 YEAR, 85c

Shipped Express, not prepaid

MAYDAY TREE. L. From the Imperial Gardens of Russia. Large bush literally covered with white bloom. Flowers even before Bridal Wreath. 3-yr. 55c, 4-yr. 65c, not ppd.

MOCKORANGE (*Philadelphus Coronarius*). L. A splendid, tall ornamental shrub. Clusters of large white flowers, delightfully fragrant. 3-yr. 55c, 4-yr. 65c, not ppd.

The Spireas

CRIMSON SPIREA (Anthony Waterer). D. Compact, low shrub with erect stems. Rosy-crimson flowers in flat-top clusters all summer.

BRIDAL WREATH (Van Houttei). M. Graceful, arching branches completely covered with snow-white flowers in late May.

PINK SUMMER SPIREA (Billardi). M. Plume-like flowers of delicate rose-pink in July and August.

DWARF PINK SPIREA (Froebeli). D. A mass of bright rose-pink flowers from July to September.

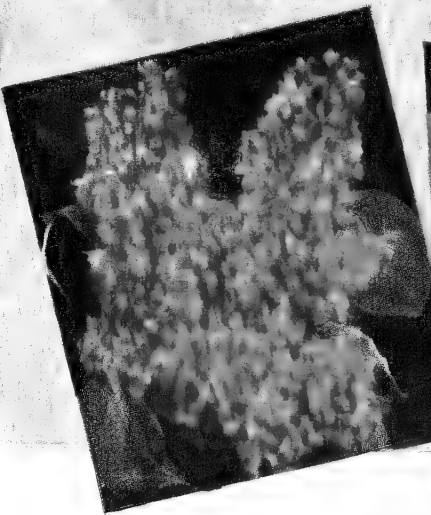
Price, any of the above:

3 year size, 55c

4 year size, 65c

Shipped Express, not prepaid

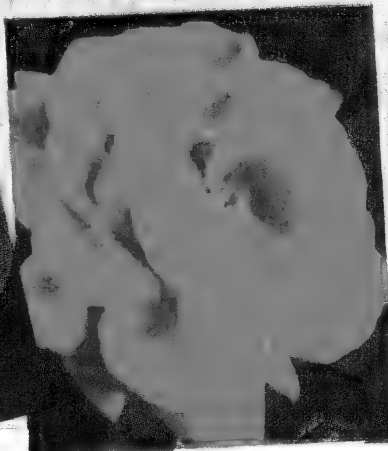
TREES and SHRUBS *to Beautify Your Home*



CHARLES JOLY LILAC

A gorgeous double lilac with large trusses of deep wine-red blooms held erect, well above the foliage. Very striking.

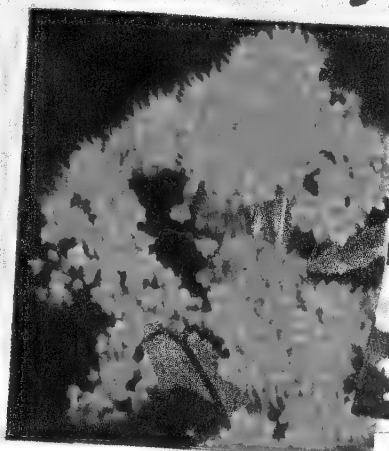
3 yr. size 98¢ each; 4 yr. \$1.25 nppd.



HANSA ROSE

Large, double, fragrant blooms of rich wine-red, in great profusion—over a long season. Survives in Northern Minn. without winter cover.

2 yr. field grown plants \$1.00 each nppd.



PINK SPIREA

(Dwarf Froebeli)

Bright rosy-red flowers in gay clusters on dwarf shrubs through July and August. Ideal for foundation or border.

3 yr. size 55¢ each; 4 yr. 65¢ nppd.



ROSE TREE OF CHINA

In spring, every branch covered with clusters of large, double, rose-like flowers, just like Flowering Almond but plant is hardier.

3 yr. size 98¢ each; 4 yr. \$1.25 nppd.

All Shrubs and Trees by Express

SPECIAL OFFER

4 gorgeous blooming shrubs, one of each shown above, in large 4 yr. sizes (rose in 2 yr. plants)—

Value \$4.15,
Shipped Exp. Not ppd. **\$365**
for only



← RED SCHWEDLER MAPLE

Most beautiful lawn tree with gleaming purple-red leaves in spring, later turning to a beautiful bronze-green—very hardy and ornamental.

Large, heavy branched 6 to 8 ft. trees \$3.35 each nppd.

EUROPEAN MOUNTAIN ASH →

A magnificent lawn tree covered from midsummer to midwinter with large clusters of brilliant scarlet berries.

5-6 ft. Trees \$1.25 each; 6-8 ft. Trees \$1.45 each nppd.

RED FLASH

Delicate pink blooms in spring are followed by intense rich red leaves all through the season. Most brilliant of all red-leaved shrubs.

3 yr. size 98¢ each; 4 yr. \$1.25 each nppd.



PAUL'S SCARLET → CLIMBING ROSE

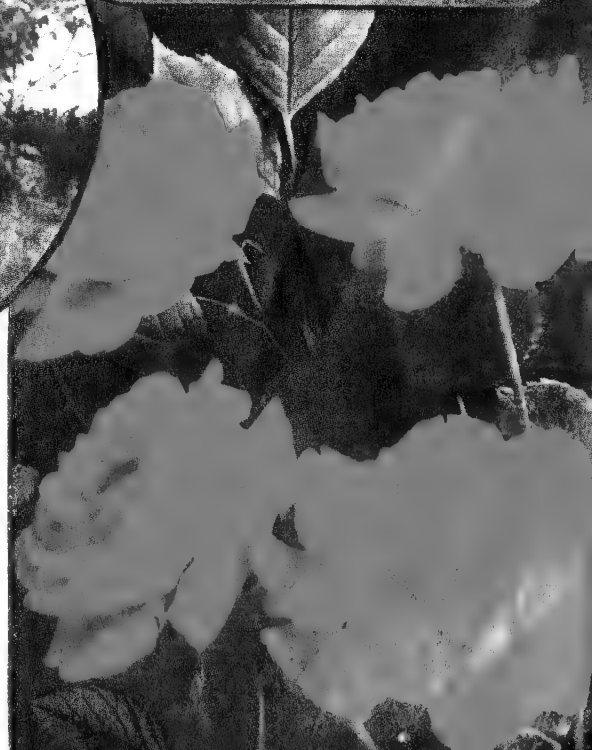
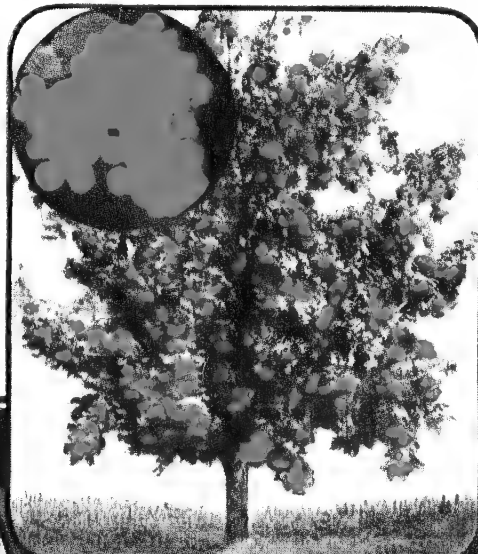
The most brilliantly colored of any rose! Great clusters of 3 to 6, large, semi-double blooms borne in such great profusion that they can be cut freely, with long stems.

Strong 2 yr. plants, postpaid, for \$1.25 each

← NIOBE WEeping WILLOW

A most graceful weeping tree with deep, rich, golden bark on long slender drooping branches. Most beautiful and hardest of willows—a splendid lawn tree.

5-6 ft. Trees 85¢ each, 6-8 ft. Trees \$1.25 nppd



FRUIT TREES
are offered here in
one size only.
Other sizes offered
on pages 32, 33

*** *Victory* **CRAB APPLE ORCHARD**

DOLGO CRAB The finest jell crab ever developed! The fruit is strikingly beautiful, bright fiery red and born in great profusion. Its very high pectin content makes it jell perfectly, even when dead ripe. Dolgo is perfectly hardy, free from blight, and makes a gorgeous lawn tree. (Page 32) Large 5 to 7 ft trees **EACH \$1.49** by Express:

WHITNEY CRAB A delightful old favorite for eating, canning and pickling. Bears heavy crops of good-sized, mild, sweet-flavored fruit that ripens early. Hardy and free from blight. (Page 32) Large 5 to 7 ft. trees **EACH \$1.49** by Express:

Whitney

Dolgo Crab

RED FLESH CRAB

A novel crab that's red all the way through! Makes brilliant red apple sauce, jam or jell, of delightful flavor and striking appearance. Trees are highly ornamental—a mass of red blossoms in Spring and loaded with bright red fruit in Fall. Perfectly hardy. (Page 32) 4 to 5 ft. trees **EACH \$1.29** by Express:

*** **RED HARALSON APPLE**

Minnesota's prize winter Apple. Large fruits, high color, fine flavor and best keeper of all. (Page 32) 4 to 5 ft. trees by Express:

EACH \$1.29

NEW MINN. 790 APPLE

Larger, hardier and better than Roman Beauty. It's the ideal baker! (Page 32) 4 to 5 ft. trees by Express:

EACH \$1.75

INDIAN SUMMER—Everbearing Raspberry

You get TWO crops of large, conical, super quality, raspberries each year! Enjoy this luscious fruit in season, and again long after they're off the market. (Page 31.) Standard Grade, 1 yr. plants, ppd.

12 for \$3.15

NEW PRAIRIE SPY APPLE

Minnesota's newest long keeping Apple that really has splendid eating quality. Nothing finer! (Page 32) 4 to 5 ft. trees by Exp.:

EACH \$1.75

NEW MINJON APPLE

A "Minnesota Jonathan" so hardy it thrives far North! Brilliant red, superb quality fruit. Ripens with Wealthy. (Page 32) 4 to 5 ft. trees by Express:

EACH \$1.75

MT. ROYAL BLUE PRUNE

A new treat for northern fruit growers! A European prune that proved hardy in Minn. State trials. It bears early and abundantly all by itself (self pollinating). Delicious, eaten fresh or canned. Gather this beautiful royal fruit in your own yard. 18-24 inch trees

EACH \$1.39 2-3 ft. trees **\$1.59** by Exp. not ppd.

NEW PIPESTONE PLUM

Minnesota's newest "JUMBO" Plum! Largest of all and much better than most plums now grown. Extra early—ripens first week in August. A heavy dropper, perfectly hardy, exceptional eating quality, attractive, juicy, and delicious. Splendid for canning. (Page 33)

Large 5 to 7 ft. trees **\$1.98** 4 to 5 ft. trees **\$1.75** by Exp. not ppd.

FREDONIA GRAPE

An extra early, top quality, black grape of Concord type, but ripens 3 weeks earlier than Concord,—thus better suited to Northern growing. It's a heavy producer with quality equal to Concord. It should have winter protection. (Page 31) Heavy 2 yr. plants ppd.:

60c EACH 3 for **\$1.65**

HIGH BUSH CRANBERRY

Now you can make delicious, tangy, sparkling red jell that looks and tastes exactly like that made from cranberries one buys at the grocery,—and do it from fruit gathered in your own yard! Tall, graceful shrubs, with tiny white "beauty blooms" followed by huge clusters of bright red berries that hang on way into winter. A double duty plant that's ornamental as well as useful. Perfectly hardy—easy to grow. Large 4 yr. plants, 85c Each; 3 yr. plants, 75c Each, by Exp. not Ppd.

WEALTHY APPLE

One of the finest flavored eating apples for the North. A popular favorite that keeps well till Jan. (Page 32) 4 to 5 ft. trees by Express:

EACH \$1.29 Page 41



OXALIS—(American Shamrock)

This four-leafed clover-like plant forms a graceful edging for walks and flower borders. May also be grown in pots and hanging baskets. Grows and blooms profusely.

6 Bulbs for 50c, 12 for 90c, 25 for \$1.75 ppd.

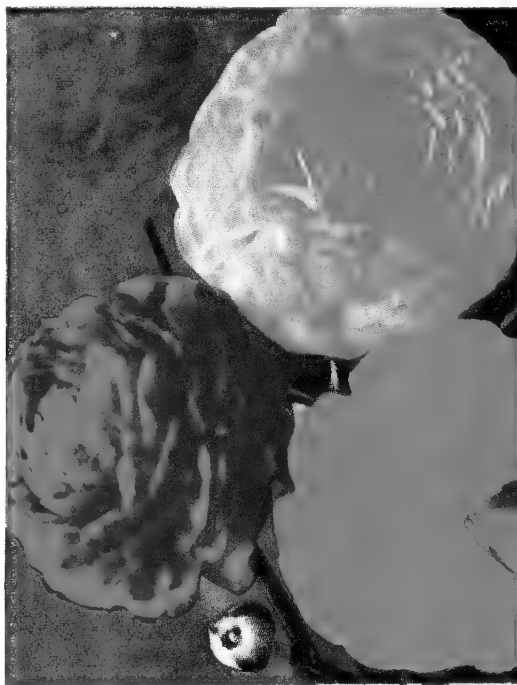


CALLA LILIES

You will enjoy the mottled, low-growing foliage as much as the beautiful trumpet-shaped flowers. Plant them in groups in your perennial border or in pots for indoor bloom.

White or Yellow Calla Bulbs: 40c each, 6 for \$1.95

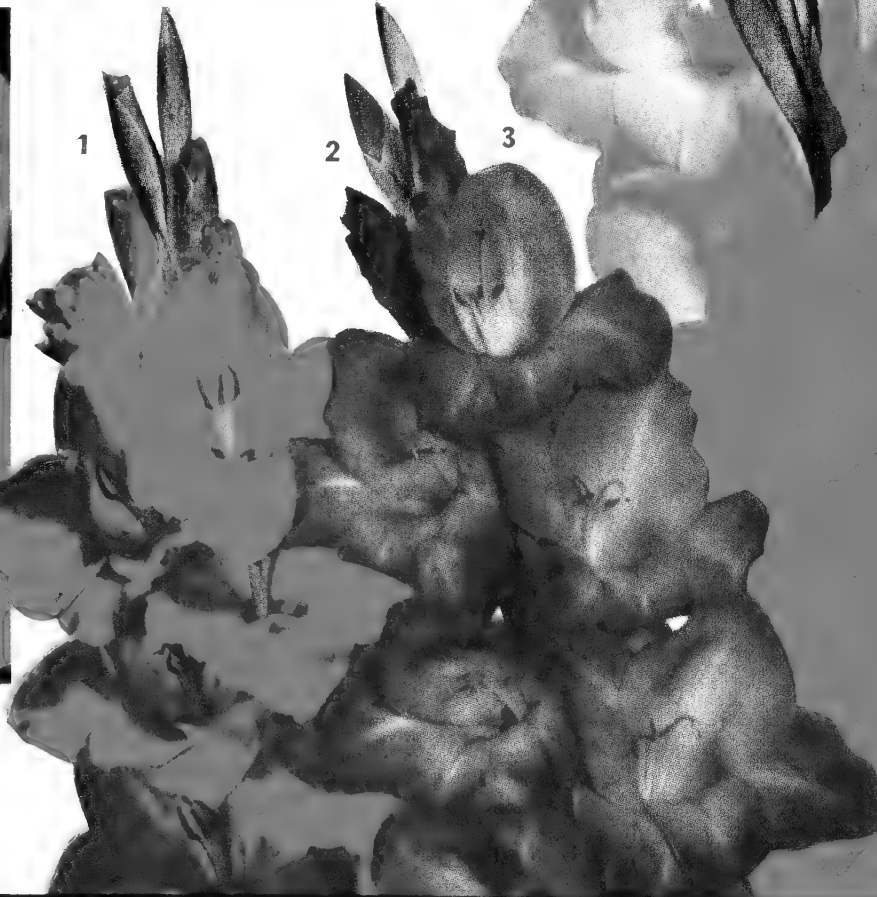
Pink Calla: 65c each, 6 for \$3.25 postpaid



RANUNCULUS

The beauty and striking colors of these splendid globular flowers, are their own best recommendation. We offer the finest mixture—giant flowered, exquisitely formed double flowers in a great range of colors.

6 bulbs 50c, 12 for 90c, 50 for \$3.50 ppd.



See Page
45 for other
Summer
Flowering
Bulbs

Prize Winning GLADIOLUS

SPECIAL: 12 BULBS (3 of each shown) for \$1.15 ppd.

1-AMERICAN COMMANDER

Opens 6-7 striking blood-red blooms on long heads of about 20 buds.

3 bulbs for 45c, 6 for 80c,
12 for \$1.50

2-KING LEAR

Large, heavily ruffled blooms of deep purple, with silver line edging petals.

3 bulbs for 45c, 6 for 80c,
12 for \$1.50

3-GOLDEN POPPY

Beautifully recurved florets of rich orange-yellow tone. Striking in massed bouquets.

3 bulbs 30c, 6 for 50c
12 for 90c

4-ANGELUS

Lightly ruffled blooms of clear, soft salmon pink on long heads.

3 bulbs 35c, 6 for 60c,
12 for \$1.10

The Choicest Modern Gladiolus

Eight Aristocrats

BIT O'HEAVEN. Rich, flaming, coppery orange with a yellow throat. Very popular with florists, as the coloring is supremely rich when massed in bouquets. 3 for 35c, 6 for 60c, 12 for \$1.10.

EXCELLENCE. Large light red, popular for its extreme earliness, large size and good color. 3 for 30c, 6 for 50c, 12 for 90c.

JALNA. A striped glad, and a distinct novelty. Iridescent salmon, suffused and striped with slate gray. 3 for 35c, 6 for 60c, 12 for \$1.10.

MAX REGER. Lavender-blue, with darker throat markings ending in sharp white points, give flower the appearance of a beautiful blue butterfly. 3 for 45c, 6 for 80c, 12 for \$1.50.

ROSA VAN LIMA. Cool, light pink with a white throat delicately marked. Valuable as a cut flower used with other colors. 3 for 35c, 6 for 60c, 12 for \$1.10.

SHIRLEY TEMPLE. Immense heavily ruffled cream flowers with deeper cream throat. Supreme in its color class. 3 for 35c, 6 for 60c, 12 for \$1.10.

RECADO. A gorgeous smoky, fine for exhibition. Slaty-brown, flecked and splashed with orange-scarlet. Massive spike with large well-placed blooms. Each 20c, 3 for 50c, 6 for 90c.

VAGABOND PRINCE. Gorgeous and distinct in coloring. Rich, glowing bronze-red with ruby-red throat blotch. Spike is tall and straight. 3 for 30c, 6 for 50c, 12 for 90c.

Important! To control thrip on Glads, dust them regularly once a week with Rotenone Garden Guard, (see page 74) beginning when plants are 5 inches high, and continuing until buds show color.

For Sturdier Plants and Larger Blooms

TREAT YOUR BULBS WITH SEMESAN

Just Before Planting

1. Remove the skins so that the corns are bare. (In doing this be careful not to injure the tips). Burn the skins.

2. Dissolve 1½ ounces of Semesan in one gallon of water. Cover the bulbs with this liquid and let them stand for 7 hours. Plant immediately.

Price: 2 oz. can Semesan 40c, prepaid. Full directions with each package. For larger quantities, see page 17.

F. S. & N. Co's

Rainbow Mixture

For Garden Display and for Cutting

A superb combination of all colors, tints and shades, including many unusual colors. You will find that you have Glads not only for cutting but also for exhibition purposes.

25 for \$1.50

50 for \$2.60

100 for \$4.80

Six Prize Winners

CAMELLIA. Delicate blush-pink over cream with tiny mark of scarlet deep in throat. Florets are exquisitely rounded and recurved. 3 for 35c, 6 for 60c, 12 for \$1.10.

BLUE WONDER. Lovely light blue with 4½-inch florets on well-formed spike. Ideal for cutting, as it combines well with all pastel shades. Each 20c, 3 for 50c, 6 for 90c.

MARGARET BEATON. Ivory-white with small orange-scarlet blotch deep in throat. 3 for 35c, 6 for 60c, 12 for \$1.10.

REWI FALLU. Massive, rich deep red, with huge bell-like blooms of heavy texture. 3 for 35c, 6 for 60c, 12 for \$1.10.

GOLDEN FRILLS. Rich daffodil-yellow, with rose-red lines on lower petals. Large florets, intensely ruffled. 3 for 30c, 6 for 50c, 12 for 90c.

ZUNI. Rich and sparkling salmon-rose with a purple infusion and a distinct copper throat. Delicately ruffled. 3 for 45c, 6 for 80c, 12 for \$1.50.

Special—One each of above Prize Winners for 70c, ppd.

Seven Giant Glads

BAGDAD. A mammoth glad of smoky salmon-rose, with faint creamy blotches marked with pink. 3 for 30c, 6 for 50c, 12 for 90c.

BARCAROLLE. Heavily ruffled blooms of an unusual and exquisitely clear, clean shade of orange. A very beautiful variety that must be seen to be appreciated. 3 for 45c, 6 for 80c, 12 for \$1.50.

FLARE. Brilliant scarlet, with florets 5 inches across. A massive glad that resists heat and drought. 3 for 35c, 6 for 60c, 12 for \$1.10.

LAVENDER RUFFLES. Pure light lavender. Wide-open florets, slightly recurved and attractively frilled. 3 for 30c, 6 for 50c, 12 for 90c.

PICARDY. Delicate shrimp-pink. Immense florets of heavy substance with a distinct silvery sheen. 3 for 35c, 6 for 60c, 12 for \$1.10.

SENSATION. Truly a sensation, with heavily ruffled, massive blooms of soft, deep pink. Each 20c, 3 for 55c, 6 for \$1.00.

SURFSIDE. White, with a faint violet line in throat. Has the suede texture of Picardy. 3 for 45c, 6 for 80c, 12 for \$1.50.

New

"Green Light"

A Milk-White Glad with a Greenish Gloss

The unusual coloring is particularly pronounced just as the flower opens, when it appears really green. Florets are large, well formed and slightly ruffled.

Each 15c

You will want plenty of SUMMER HYACINTHS in your garden, to cut and arrange in bouquets with Glads. The pure white, bell-shaped flowers are long-lasting and make exquisite cut flowers. For complete description and prices see page 45

All Glads are Prepaid

All-Purpose GARDEN HOE

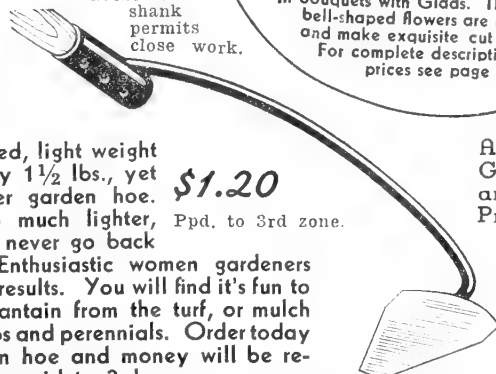
For Cultivating, Weeding, Mulching

Try this new, high speed, light weight garden hoe—weighs only 1½ lbs., yet stronger than any other garden hoe. So easy to handle, so much lighter, faster and better, you'll never go back to the ordinary hoe. Enthusiastic women gardeners claim less fatigue, better results. You will find it's fun to flick dandelions and plantain from the turf, or mulch around evergreens, shrubs and perennials. Order today—if not delighted, return hoe and money will be refunded. Price \$1.20, prepaid to 3rd zone.

\$1.20

Ppd. to 3rd zone.

Goose-neck shank permits close work.



Makes gardening a pleasure

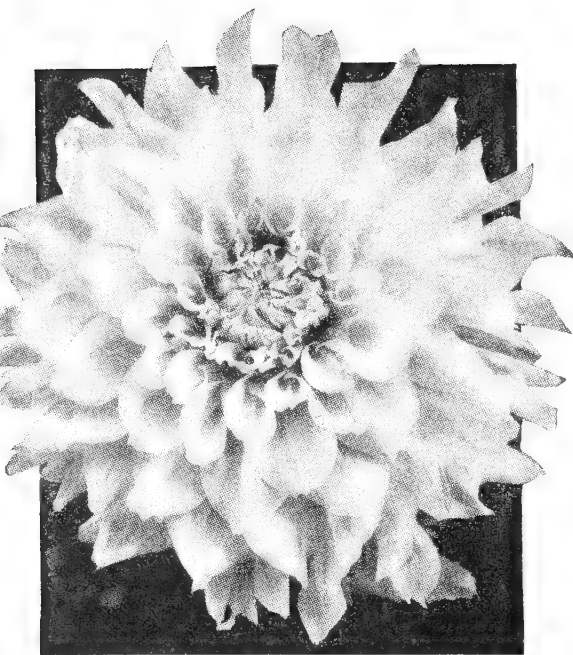


Super Bulb Collection

Amaze Your Neighbors by Growing the Newest, Most Sensational Glads in Your Garden.

One Bulb of Each Named Variety on this page, including Green Light, (22 bulbs) for only \$2.10

To Have Glads for Cutting from Early July Until Frost You Must Make Successive Plantings.



Miss Oakland, a new pure white dalia.

Exhibition Dahlias

Key to Abbreviations: F. D., Formal Decorative; I. D., Informal Decorative; C., Cactus

BLUE RIVER. (F. D.) Large lilac-blue. Superb in beauty, form and substance. Early. Each 40c.

BUCKEYE KING. (F. D.) An almost pure gold, with slight apricot shadings. Of fine form. Each 75c.

CITY OF CLEVELAND. (I. D.) Bright orange suffused scarlet, rich and attractive. A certified dahlia. Each 60c.

JERSEY'S BEAUTY. (F. D.) True rose-pink. Large flowers of perfect form. Each 40c.

LOIS WALCHER. (F. D.) New prize-winning bi-color: True pansy-purple, with outer third of petals tipped clear white. Ideal stems. An early and prolific bloomer. Each \$1.00.

LORD OF AUTUMN. (I. D.) Gigantic deep golden yellow blooms. One of the greatest dahlias of all time. Each \$1.25.

MISS OAKLAND. (F. D.) A pure white dahlia of perfect form and perfect habit of growth. Unexcelled for cut flower and exhibition. Each 60c.

OAKLEIGH MONARCH. (F. D.) Beautiful, large cerise-red dahlia of great depth. Stems strong and erect on healthy, vigorous bush. Each 75c.

QUEEN CITY. (F. D.) Rich watermelon-pink. Blooms earlier and more profusely than any other dahlia. Each 75c.

THE COMMODORE. (F. D.) One of the largest and most spectacular dahlias ever introduced. Brilliant lemon-yellow—the best of its color. A consistent winner at shows. Each 60c.

Special

Make your own selection of dahlias from above varieties, to total \$2.50, and we will include **Free**—one giant exhibition dahlia "Lord of Autumn." (Total value \$3.75) all for \$2.50, ppd. *This offer does not include collections.*

Lovely Miniature Dahlias

Easy To Grow — Require No Disbudding

They are "pocket-size" editions of their big brothers, and come in the same forms and types. The dwarf bushy plants average 2½ feet in height and require no staking or disbudding. They produce a constant supply of little Dahlias for cutting and garden decoration. *The more you cut them, the better they like it.*

ANDRIES' ORANGE. (I. D.) Bright orange of exceptionally clear and attractive tone. Flowers of excellent form on perfect stems. Make a beautiful display. Each 75c.

BISHOP OF LLANDAFF. An unusual and very attractive flower of bright scarlet with a deep garnet center. The lacy foliage is a beautiful reddish-bronze, which makes it outstanding in any planting. Each 75c.

GRACE O'NEAL. (C.) Delicate shrimp-pink, with ends of petals silver-tipped. A dependable and consistently fine variety, and one of the most popular for cutting. Each 40c.

LANNIE. Clear deep yellow flowers of peony-type, on long stiff stems. Plants are extremely prolific, blooming from early season to frost. Each 60c.

MARY MUNNS. A popular pompon, of mallow-purple, on fine long stems. One of the best miniatures for exhibition or cutting. Each 75c.

MISS BELGIUM. (C.) An even shade of bright orange, on perfect stems. We have found it a consistently fine performer in our trial grounds, early, vigorous, and a profuse bloomer. Each 75c.

MORNING MIST. An exquisite pompon dahlia of silvery lavender with center of flower rosy lavender. A fine cut flower, with long stems. Each 60c.

SYLVIA. (F. D.) Rich, deep carmine-red flowers, 2½-3 inches across, on good stems. Plants are sturdy and prolific. A dahlia that grows well, blooms profusely and keeps well. Each 50c.

Giant Exhibition Collection - \$1.75

One of Each { The Commodore—Brilliant yellow
City of Cleveland—Orange-scarlet
Oakleigh Monarch—Cerise-red

(Regular Value \$1.95)

Four Favorite Miniatures for \$1.85

One of Each { Grace O'Neal—Shrimp-pink
Lannie—Clear deep yellow
Sylvia—Rich carmine-red
Morning Mist—Rosy lavender

(Regular Value \$2.10)

All Dahlias are Prepaid



Grow Cannas

For Their Richly Colored Flowers and Attractive Tropical Foliage

Planted among low-growing shrubs or in the perennial border they will provide a colorful summer display.

KING HUMBERT. 4 ft. Large trusses of orange-scarlet flowers. Foliage is bronze, very broad and handsome. A "Gold Medal" canna.

KING MIDAS. 4 ft. Pure rich yellow flowers mounted on vivid green foliage. Forms a lovely contrast in the garden.

THE PRESIDENT. 4½ ft. Rich glowing scarlet flowers, 7 inches across, on strong, erect stalks. The foliage is green.

HUNGARIA. 3½ ft. The best pink canna. Leaves bluish-green, never burn. Trusses are compact and of enormous size.

YELLOW KING HUMBERT. 4 ft. Flowers a deep rich yellow, softly spotted and blotched with bright red. Foliage very dark green.

Price, any of the above dormant roots, 3 for 50c, 6 for 90c, 12 for \$1.65, 25 for \$3.00, prepaid.

NOTE—A round Canna bed seven feet in diameter requires 19 Cannas planted 18 inches apart each way. A 10-foot bed requires 37 plants.

Special
19 Canna Roots
for \$2.25, ppd.

We have become so accustomed to seeing Cannas in formal beds in parks that we feel they have no place in smaller plantings. However, the stately plants with their brilliant clusters of flowers hold their own when interplanted with shrubs or in bare spots in the perennial border. Try placing them in groups of three and let them highlight your garden this summer.

GROW Beautiful FLOWERS
by spraying Ever Green regularly. Powerful, spells death to many garden insects; non-poisonous to people and pets. Costs little...easy to use...gets big results.

EVER GREEN Garden SPRAY

1 oz. bottle (makes 6 gallons spray), 35c.



Tall Spikes of Summer Hyacinths.

Summer Hyacinths

Splendid for Back-Ground Groups.

A luxuriant-growing, summer-flowering plant, spreading 2 to 3 ft. and throwing spikes 4 to 5 ft. in height. Each spike bears from 20 to 30 large white bell-shaped flowers. Plant the bulbs in groups among perennials. The flowers are beautiful arranged in bouquets with gladiolus. Culture, same as for gladiolus. 3 for 40c, 6 for 70c, prepaid.

Miscellaneous Spring BULBS



These Bulbs are Not Hardy and must be lifted in fall after the tops have been killed by frost, and stored in a cool, frost-proof cellar.

CALLA LILIES

Beautiful and unusual summer-flowering bulbs with large trumpet-shaped flowers. The foliage, too, is interesting—the low-growing, deep green leaves are spear-shaped, and spotted with silvery white, which adds much to their beauty.

White Calla (Alba Maculata). Glistening, pure white flowers on 18-inch stems. Each 40c, 3 for \$1.00, 6 for \$1.95, prepaid.

Golden Calla (Elliottiana). Magnificent golden-yellow flowers. Average height 18 inches. Each 40c, 3 for \$1.00, 6 for \$1.95, prepaid.

Pink Calla (Rehmanni). A dainty pink form, 12-15 inches high. Each 65c, 3 for \$1.75, 6 for \$3.25, prepaid.

RANUNCULUS—Buttercup

Full-petaled, double and semi-double flowers 2 inches and more across, on 15-inch stems. Our mixture is the finest offered—giant flowered varieties, in a great range of colors, red, yellow, rose, gold and many intermediate shades. 6 for 50c, 12 for 90c, 50 for \$3.50, prepaid.

ELEPHANT'S EAR for Tropical Effect (CALADIUM ESCULENTUM)

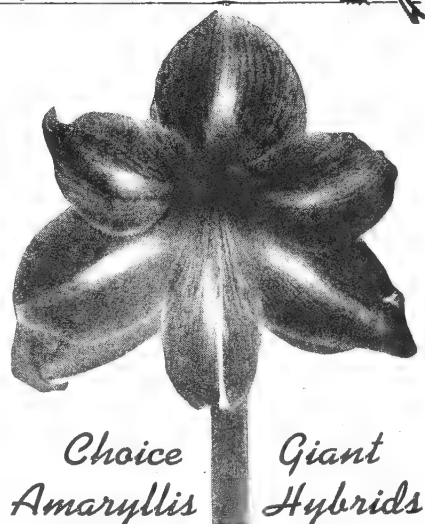
One of the most effective foliage plants for beds or borders. Of gorgeous tropical appearance with rich green heart or shield-shape leaves, often 4 ft. long and 2½ ft. wide. Can be planted with good effect as a border for Cannas. Medium Size Bulbs 2 for 60c, 6 for \$1.60, prepaid.

CINNAMON VINE (DIOSCOREA BATATAS)

A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots each 25c, 3 for 65c, prepaid.

MADEIRA VINE (CLIMBING MIGNONETTE)

Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs 3 for 30c, dozen \$1.00, prepaid.



*Choice
Amaryllis* *Giant
Hybrids*

Most Gorgeous of All House Plants.

This is the finest race of Amaryllis in cultivation. The flowers are superbly shaped and of mammoth size, ranging in color from pure white grounds with varied markings of rose and crimson, to the richest self colors, as scarlet, orange-red and crimson.

Giant Hybrids, Mixed Colors Only
Each 75c, 3 for \$2.10 ppd.

Oxalis (Shamrock)

*For Borders, Edgings, Pot-Plants or
Hanging Baskets.*

Four-leaved, clover-like plants with brilliant rose-red flowers on 6-inch stems. The blossoms close and the clover-like leaves fold up at night. Oxalis grows and blooms profusely, forming a graceful edging for walks and flower borders, or may be grown in hanging pots and baskets. 6 for 50c, 12 for 90c, 25 for \$1.75, prepaid.



Hardy Garden Lilies

**Withstand Minnesota Winters
and Sub-Zero Temperatures**

Ask for Free Leaflet on Culture of Hardy Lilies

CANADENSE LILY

Height 3-5 ft. Broad funnel-shaped drooping flowers, varying from yellow to orange; spotted inside. A graceful lily, splendid for naturalizing among perennials or low-growing shrubbery. Blooms in July. Each 35c, 3 for 95c, prepaid.

CANDLESTICK LILY (Umbellatum)

Height 2-3 ft. A showy, sun-loving variety that is easily grown. The large, orange-red flowers are held erect like widespread chalices, and are borne in great profusion in June. Each 40c, 3 for \$1.00, prepaid.

CORAL LILY (Tenuifolium)

Height 2 ft. A charming little lily for the border or rock garden. The brilliant coral-red flowers are borne in clusters of five to fifteen on slender stems. Foliage is finely cut and fern-like. Blooms in July. Each 30c, 3 for 75c, prepaid.

DOUBLE TIGER LILY

Height 5 ft. Handsome, showy lilies of easy culture, producing an abundance of orange-scarlet flowers in August. Very hardy. Each 35c, 3 for 95c, prepaid.

MAXWILL (Hybrid)

Height 3-5 ft. A hybrid Lily of vivid orange-red. The spike is tall and strong, but gracefully slender, bearing 20 or more large, recurving flowers. Blooms in late July and is remarkably free from ordinary Lily diseases. Acclaimed by Lily specialists as one of the finest Hybrids ever produced. Each 40c, 3 for \$1.00, prepaid.

REGAL LILY (Regale)

Height 3-5 ft. The easiest of all lilies to grow, and the most beautiful of all the true trumpet-shaped varieties. The large flowers are ivory-white, shaded rose, with centers flushed yellow. The stems are sturdy and bear clusters of 2-8 fragrant flowers in June. Each 25c, 3 for 65c, prepaid.

TURK'S CAP LILY (Superbum)

Height 3-8 ft. The most magnificent and showy of the native North American species. This splendid lily produces from 1-40 flowers of brilliant orange-scarlet, shaded yellow, and spotted brown. Blooms in late July. Each 40c, 3 for \$1.00, prepaid.



**Regal Lilies—Most Beautiful and Hardest
of All Lilies.**

If Interested in Bulbs for Fall Planting, such as Tulips, Hyacinths, Narcissi, etc., send for our Special Bulb Folder—ready September 15th.

Hardy Garden Chrysanthemums



Mrs. Pierre Dupont, Salmon-Pink

10 Outstanding Mums

For a Radiant Display of Color, Beauty and Form.

AVALANCHE. 24 in. Large, double, pure white flowers, 4 inches across, are borne in branching sprays, in early Sept. Each 45c.

BONFIRE. 24 in. Erect-growing plants with fire-red 2-inch blooms; each stem carrying as many as 6 to 8 flowers at one time. Each 45c.

EUGENE WANDER. 18 in. Huge, double, sparkling golden flowers. In bloom from late August on. Each 45c.

FLASHLIGHT. 24 in. Handsome, striking double red, with reverse of petals old gold. Late August. Each 45c.

KING MIDAS. 26 in. One of the finest large, bright yellows. Fully double and of perfect form. September. Each 40c.

LAVENDER LASSIE. Beautiful pompon, with double 2-inch blooms of pure lavender on dense, spreading plants, 3 ft. across. September. Each 45c.

LITTLE ESKIMO. This dainty little beauty has pure white ball-shaped flowers, 1½ inches across. Plants are low and spreading, about 12 inches high. Each 45c.

MRS. PIERRE S. DUPONT. 30 in. A glorious blend of rosy salmon, peach-pink and fawn. A model of perfection in form and color. Each 50c.

RED VELVET. 24 in. A true aristocrat, with shapely, double flowers of rich, velvety crimson. Plant is erect with healthy dark green foliage. Each 50c.

THE MOOR. 24 in. Fully double flowers of deep burgundy-red. No other Mum has this brilliant, intense color. Each 45c.

New University of Chicago

Introductions

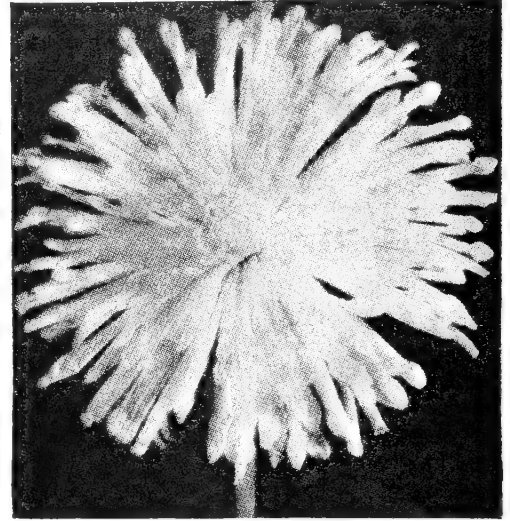
CALCITE. 18-in. Double white with pale sulphur-yellow center. September.

OLIVE LONGLAND. 18-in. Double apricot toned salmon-pink. September.

STALWART. 18-in. Double golden bronze of pompon form. Early October.

ZANTHA. 18-in. Completely double clear canary-yellow, 1½-inch blooms. August.

Each 65c; any 4 for \$2.35



Spoon Mum with Tubular Petals flaring into a distinct spoon shape.

Newest MINNESOTA MUMS

From University of Minnesota

Super-Hardy—Early Blooming.

BUTTERBALL. Double, ball-like 2½-inch flowers of bright yellow, completely cover the low, compact plant.

GLACIER. Large, double pure white, on tall upright plant. Borne in branching sprays, on long stems, good for cutting.

MAROON N'GOLD. The colors of the University—Maroon and Gold. Well-formed, double flowers, 4 in. across, of maroon with golden reflex.

REDWOOD. Hundreds of bright red semi-double flowers on dwarf mounds.

SNOWBALL. Excellent, fully double, round fluffy white blooms with cream shading in center.

Each 50c; any 5 for \$2.25.

These Minnesota Mums Bloom in August

MOONGLOW. Bright yellow cushion type.

PIPESTONE. Largest and brightest of the Bronze Cushion Mums.

WATERLILY. Like Shasta Daisies, with golden-yellow centers.

WELCOME. Semi-double, bright mallow-purple on long stems.

Each 40c; any 4 for \$1.35.

Semi-Doubles Famous for their Brilliant Colors

JOAN HELEN. Outstanding New Dwarf Variety. Sparkling wine-red petals, surrounding a brilliant yellow disc. Early.

LOUISE SCHLING. 18 in. Deep glowing salmon-red. Very fine.

REDBANK. 24 in. Opens bright red, gradually changing to bronze-red.

SILVER MOON. 30 in. Fragrant gleaming white, with rich yellow center. Like a glorified Shasta Daisy.

TUSSORE. 24 in. Uniform clear shell-pink 2½-inch flowers, on upright branching plants.

Each 45c; any 5 for \$2.00.

Special 10 PLANTS \$3.50

(One each of above value \$4.55)

All Chrysanthemums are Prepaid



Louise Schling, Brilliant Salmon-Red

Spoon Mums Novel and Distinctive

The flowers are fully double, with tubular petals ending in a flat spoon-like tip.

YELLOW SPOON **GOLDEN SPOON**
JASPER SPOON—Yellow tubes **WHITE SPOON**
with red spoons

Each 40c; any 4 for \$1.35.

3 Sturdy Pompons

Bloom Early September to Frost.

Shapely, well-rounded plants, completely covered with double blossoms of perfect form.

SEPTEMBER DAWN. New bright rose-pink double.

SEPTEMBER BRONZE. Intense, warm bronze.

SUNNY BOY. Free-flowering, clear yellow.

One each of 3 Sturdy Pompons for \$1.00, prepaid

Two Summer Mums

DEAN KAY. Dense, bushy plants, 4 ft. in diameter, covered with bright pink, semi-double flowers. Late August to frost. Each 45c.

MY LADY. 1½ ft. A rich golden color, shaded with orange-red. Double flowers, produced in profusion from Sept. 10th on. Each 45c.

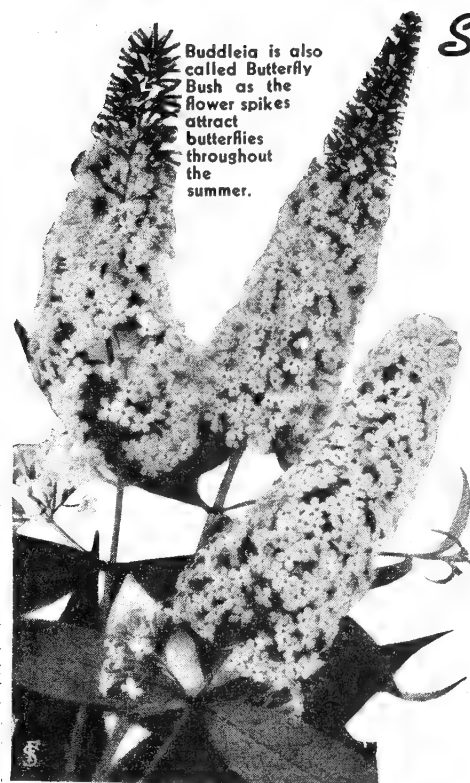
One each above Summer Mums for 80c.

101

Of the World's Best Mums Featured In Full Color!

This is Your Guide to selecting just the Mums you want in Your Garden. 24 Pages showing all of the Newest Improved Varieties in the full glory of their Natural Colors. Send only 6c to cover the cost of mailing and handling and your copy will go out to you at once

Sensational MODERN PERENNIALS



Buddleia is also called Butterfly Bush as the flower spikes attract butterflies throughout the summer.

Buddleias SUMMER LILACS

Among the most useful and colorful of summer-flowering shrubs. Bushes grow 3-5 ft. high and bear long graceful flower spikes from July to Sept.

DUBONNET—Wine-red.

CHARMING—Lavender-pink.

ELEANOR—Blue, with an orange eye.

Your choice, 50c each, 3 for \$1.25, prepaid.

Carnation, Crimson King

Here is an outstanding Hardy Carnation for the garden that flowers profusely throughout the summer. The color is a dazzling crimson; stems are stiff and stocky, long enough for cutting. The flowers are as large and fragrant as greenhouse varieties. 3 plants for \$1.00, prepaid.

Lythrum, The Beacon

Brilliant carmine-red flower spikes with many laterals, furnish ideal background color from July to frost. Full sun and ordinary garden soil will satisfy this plant, which grows 3 ft. tall. Can also be grown in a moist or wet location and in half-shade. The long rose-red sprays are excellent for cutting. Each 35c, 3 for 90c, prepaid.

Lovely New VIOLAS

Popular for their long season of bloom, Violas are ideally suited to border planting. They succeed best in rich loam and partial shade and produce their cheerful, brightly colored flowers in great profusion.

AVALANCHE—Pure white.

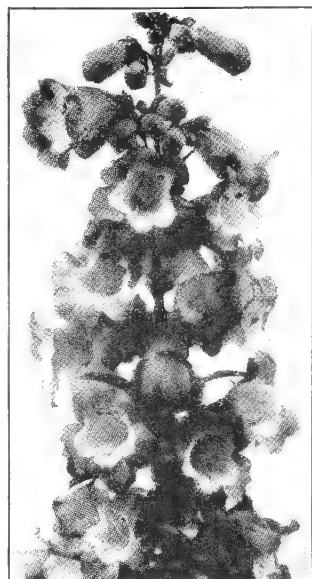
BLACK PRINCE—Velvety purple.

CHANTRYLAND—Bright apricot.

PUCK—Purple and yellow.

WEDGEWOOD—Light blue.

Your Choice
Any 12 Plants
of one kind
75c ppd.



Pentstemon GARNET

This is the first of a new strain of hardy large-flowering Pentstemons. The Gloxinia-like flowers are a rich garnet color, and are gracefully placed on stems 12 to 18 inches tall. The plants are of spreading habit and produce a succession of bloom from June until frost. The flowers are excellent for cutting and last a week or more in water. 3 for 90c, prepaid.

Siberian Iris Graceful and Long-Keeping

Ideally suited to planting around bird baths.

Flowers of exquisite beauty, borne on long slim stems. The tall, graceful plants with their long, narrow foliage produce the same effect as ribbon grass when used in landscape work.

Caesar—Uniform deep rich blue.

Emperor—Deep violet-blue.

Perry's Blue—Clear light blue.

Any 3
for
60c
ppd.

Plant Peonies for a Lifetime of Bloom

We supply strong, healthy roots—3 to 5-eye divisions. Our leaflet on Peony Culture tells how deep they should be planted to give best results. Ask for it.

FLORENCE MACBETH. An immense rose-type flower of soft shell-pink. The broad petals have a crinkled effect that is distinct and beautiful. Blooms late midseason. Each \$1.00, prepaid.

JUDGE BERRY. A delicate pink Peony that comes into bloom very early, with flowers often 7 or 8 inches in diameter. Petals are long, narrow and fringed. Delightfully fragrant. Each \$1.00, prepaid.

KARL ROSENFELD. A rich, brilliant shade of red. Flowers very large, of semi-rose type, and slightly fragrant. Comes into bloom early midseason. Each \$1.10, prepaid.

LONGFELLOW. This Peony has won distinction for its striking, fadeless color and general dependability. Bright crimson-red, which neither fades nor darkens, it is easily recognized in the field and show room. Early midseason. Each \$1.10, prepaid.

MME. DE VERNEVILLE. A fragrant white Peony, with center petals flecked crimson. Flowers very large and full on long, strong stems. Early midseason. Each \$1.10, prepaid.

REINE HORTENSE. Uniform hydrangea-pink, with guard and center petals flecked with crimson. Large, perfectly formed flowers on long, stiff stems. Late midseason. Each \$1.10, prepaid.

SARAH BERNHARDT. True apple-blossom pink, with each petal silver-tipped. Comes into bloom late midseason. The ideal cut flower Peony, delicately fragrant and exquisitely beautiful. Each \$1.10, prepaid.

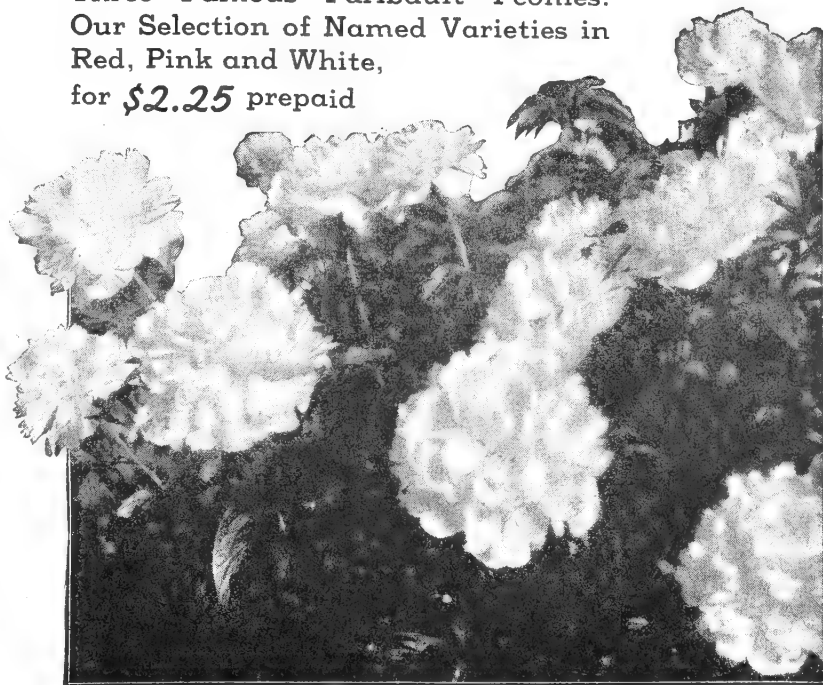
WALTER FAXON. Brilliant, vivid pink, often described as the only "real pink." Large double flowers with a pleasing fragrance. Midseason. The wonderful luminous coloring of Walter Faxon develops best if cut just before buds open, and kept in a cool, dark room until fully open. Each \$1.10, prepaid.

Very Late Red Peony

RUBRA SUPERBA. This Peony extends the blooming season by flowering very late. A rich, brilliant dark crimson, with large, double flowers, sweetly fragrant. Each \$1.10, prepaid.

CHOICE COLLECTION

Three Famous Faribault Peonies.
Our Selection of Named Varieties in
Red, Pink and White,
for \$2.25 prepaid



Peonies should be planted where they will receive full sunlight—away from trees and large shrubs.

On Plant Orders Amounting to Less than \$1.00, add 15c for Packing.

FLOWER SEEDS

The World's Finest

All Flower Seeds are sent Postpaid in U. S. A. Please Order by Name and by Number



All-America Winner for 1945

1510 MARIGOLD FLASH. Awarded the Silver Medal. Produces an amazing flash of color in the garden all summer and fall. A single—with flowers a brilliant red and gold bicolor. The plants, uniform and compact in habit of growth, develop into bushy, colorful mounds, averaging 18 inches in height. Bloom profusely from early summer to frost. Besides their use for edging and solid beds, they also make excellent pot plants. The strong, medium-length stems are ideal for low cut-flower arrangements.Pkt. 25c

For other Marigolds see page 54

"Flash"—Sensational New Marigold for your 1945 Garden.

New Ageratums in Pink and Blue

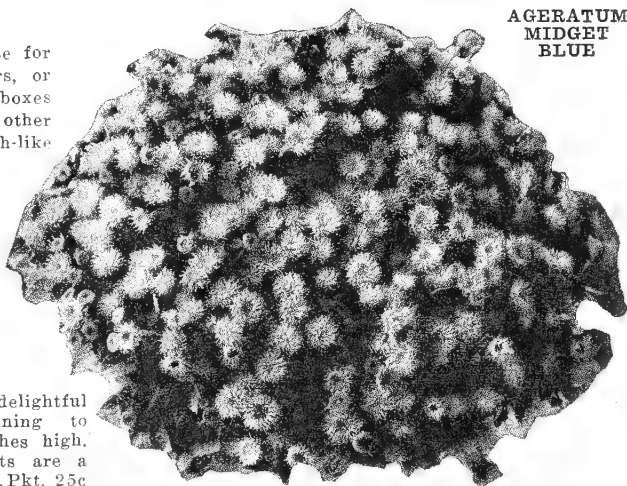
Floss Flower (Annual)

Ageratums are excellent to use for edging walks and flower borders, or they may be used in window boxes and pots in combination with other flowering plants. The soft plush-like little flowers form compact clusters which cover the entire plant. In bloom all summer.

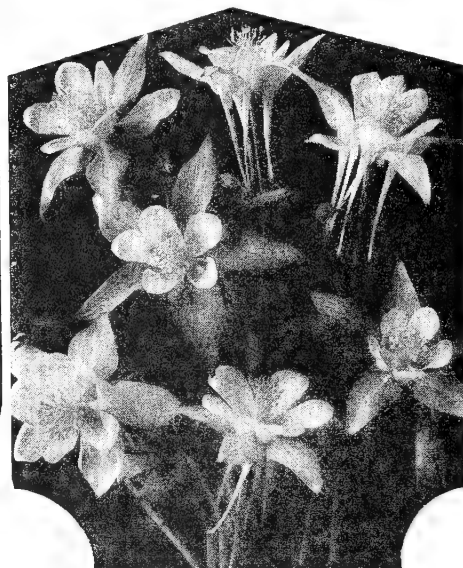
1026 MIDGET BLUE. 4 in. Dwarf and compact, with rich azure-blue flowers.Pkt. 20c

1027 BLUE CAP. 6 in. Deep rich lavender blue.Pkt. 15c

1028 FAIRY PINK. 5 in. A delightful rose-pink variety, beginning to flower when only 1½ inches high. The dwarf, compact plants are a mass of bloom all summer. .Pkt. 25c



AGERATUM MIDGET BLUE



AQUILEGIA—DOBBIE'S IMPERIAL HYBRID. A vigorous free flowering strain.

ACHILLEA (Perennial)

1020 THE PEARL. 2 ft. Produces large clusters of double pure white flowers from spring until frost. Splendid for cutting.Pkt. 10c

ACROCLINIUM, Double Mixed (Annual)

1024 EVERLASTING. 20 in. Graceful daisy-like flowers which if cut just before they open, can be dried for winter bouquets.Pkt. 10c

ANCHUSA "Blue Bird" (Annual)

1040 Height 18-24 in. Bears large umbels of vivid, indigo-blue, Forget-Me-Not-like flowers in a luxuriant bouquet on tall stems from July to October.Pkt. 10c

AQUILEGIA or Columbine (Perennial)

1073 DOBBIE'S IMPERIAL HYBRIDS. Height 2 ft. Splendid plants for partially shaded positions in the border or rockery. Foliage is graceful and fern-like; the dainty long-spurred flowers are produced in strong brilliant shades of blue, lavender, pink and yellow. .Pkt. 15c

Snapdragons Antirrhinum (Annual)

Rust-Resistant Super Majestic Strain

1052 CALIFORNIA GIANT MIXED. Developed by scientists of the University of California, this strain is resistant to rust. The seeds germinate better, the plants are more vigorous, the foliage clean, the flowers large and the colors exceptionally clear and beautiful. Height 2½ ft.Pkt. 25c

1054 GIANT MIXED SNAPDRAGONS. Height 30 in.½ oz. 50c, pkt. 10c

1060 HALF DWARF SNAPDRAGONS. Height 18 in.½ oz. 50c, pkt. 10c

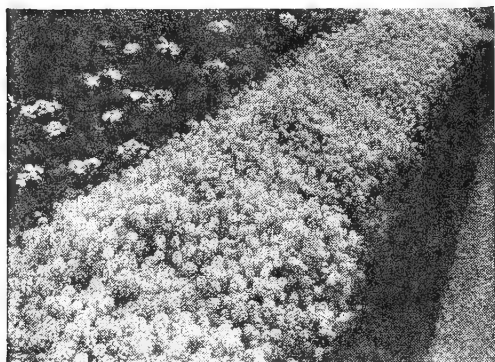
1031 VIOLET QUEEN. 4 in. A bright, deep violet that does not fade in hot weather. Blooms luxuriantly from early summer to frost.Pkt. 20c

1032 SNOWCAP. The dwarfest and most compact variety. Plants form a dense cluster of snow-white flowers, with the objectionable green center entirely eliminated.Pkt. 15c

1033 LILAC QUEEN. 6 in. Delicate lavender flowers. A pleasing contrast with the white variety.½ oz. 40c, pkt. 10c

ALYSSUM, Madwort (Perennial)

1034 SAXATILE COMPACTUM. "Basket of Gold." 9 in. A mass of golden yellow blooms in early spring when other flowers are scarce. Very effective as a border for tulips. The foliage is silver-gray.½ oz. 40c, pkt. 10c



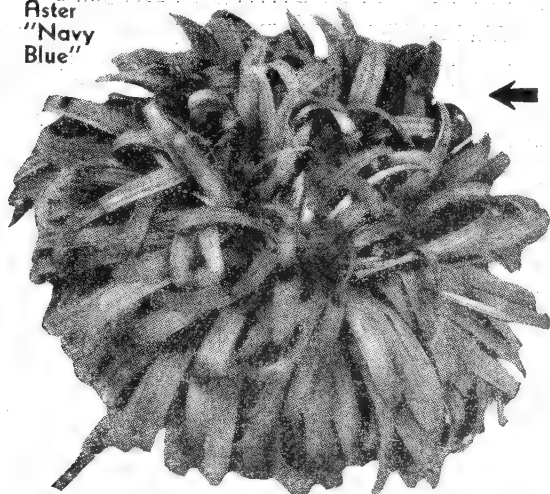
ALYSSUM "SNOWCAP" commences to bloom when only one inch high and continues until frost.

Sweet Alyssum—the Ideal Edging

Wilt Resistant Asters

A special strain bred to resist Fusarium Wilt and much more vigorous and productive than the ordinary strains. The different types which we offer, vary in form and blooming season. By starting seed of various types, you are assured a brilliant garden display and flowers for cutting from mid-summer to frost.

Aster
"Navy
Blue"



New Aster
"Navy Blue"

1145 NAVY BLUE. 20 in. True navy blue, deep and velvety—a color rarely found in flowers. Extra-early, with large blooms, 4 inches across, and long, narrow petals, twisted and interlacedPkt. 20c

Best Red Asters

(Early Midseason, Wilt Resistant)

1174 SCARLET KING. Brilliant scarlet flowers, large and very double.....Pkt. 15c

1175 HEART OF FRANCE. Rich deep glowing red.....Pkt. 15c

Early Beauty

(Early Midseason Wilt Resistant)

This beautiful strain is rapidly superseding American Branching for general use. Plants are of the non-lateral branching type, grow 2-3 ft. tall, and produce enormous flowers on long, strong stems. Superb for cutting.

1100 Crimson.

1101 September Beauty, flesh pink.

1102 Azure Fairy, clear lavender-blue.

Any of the above, pkt. 15c.

Early Dawn

(Earliest of All)

A new class that is very early, beginning to flower in mid-July. Large, well-formed blooms about 4 inches across, borne on strong stems. Plants grow 16 to 18 inches tall. An excellent cutting variety.

1110 Finest Mixed..... $\frac{1}{8}$ oz. 40c; pkt. 15c

Early Royal

(Early Midseason, Wilt Resistant)

These come into bloom in mid-August. The flowers are large and very double, with broad incurved petals; stems are long and upright, branching from the base of the plants. Height of plants, 2 feet.

1125 Royal Rose 1127 Royal Lavender

1128 Royal Purple

Any of above, pkt. 15c.

1130 Royal Mixed..... $\frac{1}{8}$ oz. 40c; pkt. 15c

Giant Mammoth Peony Flowered

(Midseason) Height 2½-3 ft.

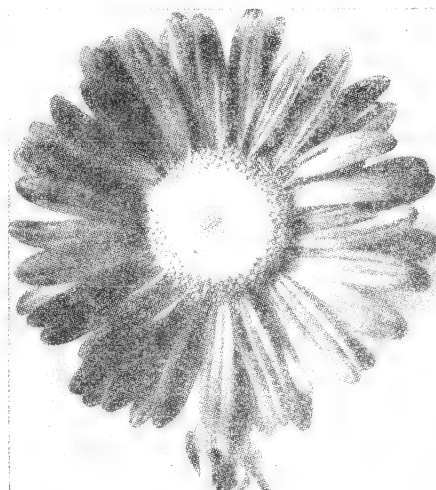
A super strain with immense double flowers of perfect form, borne on long stout stems characteristic of the true peony flowered type. Wonderful for cut flowers and a splendid keeper.

1140 Finest Mixed..... $\frac{1}{8}$ oz. 40c; pkt. 15c

Special Aster Offer

Long Season Collection

1 Pkt. Early Dawn.....
1 Pkt. Early Royal Mixed.....
1 Pkt. Giant Single South-
cote Beauty.....} 30c



The rich coloring of Giant Single Asters is accentuated with golden yellow centers.

Giant Single Southcote Beauty

(Early Midseason) Height 2-2½ ft.

Like exquisite colored daisies, with their golden yellow centers and perfectly formed petals. Unrivalled by any other aster for cutting and house decoration.

1159 Finest Mixed.....Pkt. 15c

Early Giant

(Wilt Resistant) Height 1½-2 ft.

The most outstanding new development in Asters. The flowers are full petaled and very large, 4 to 5 inches across. Plants are 1½ to 2 feet tall, with branches low on central spike. Stems are strong and heavy, ideal for cutting. This exceptional new class comes into bloom during early to mid August.

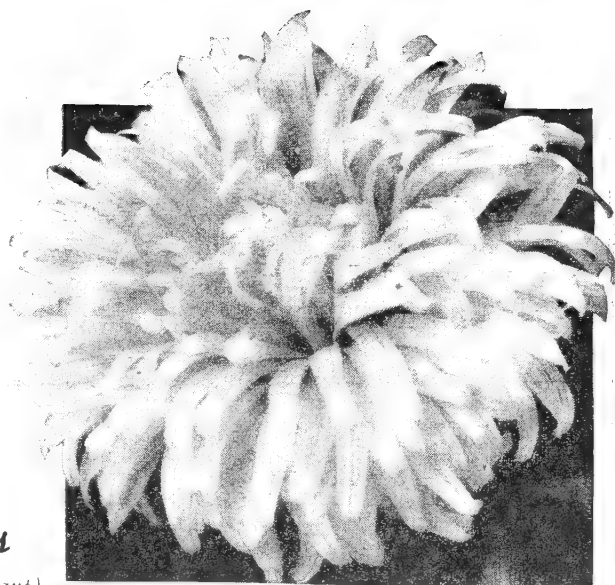
1115 Light Blue. An exquisite shade.

1116 Peach Blossom. White flushed pink.

1117 Rose Marie. Rich rose.

Any of the above, pkt. 20c

3 pkts. (1 of each) for 50c



Early Giant Rose Marie, a lovely rose-pink.

Novelty Asters

Princess or Crested

(Early Wilt Resistant) Height 2 ft.

Princess Asters have full crested centers surrounded by several rows of strong guard petals. Flowers 3-3½ inches across.

1151 PRINCESS ANNE. Delicate rose-pink.

1152 PRINCESS BONNIE. Soft salmon-rose.

1153 PRINCESS MARSHA. Vibrant scarlet.

1154 GOLDEN SHEAF. The best Yellow Aster.

Any of the above, pkt. 20c.

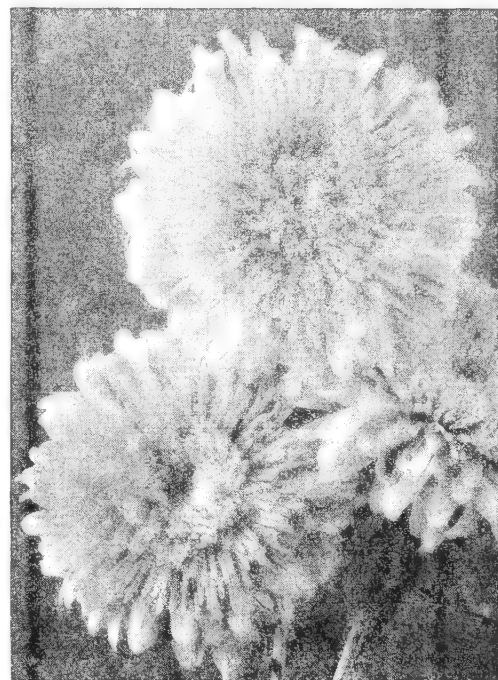
Giant California Sunshine

(Midseason) Height 2½-3 ft.

Flowers have the striking beauty of the Single Asters, enhanced by a cushion center of tiny quills of a contrasting color.

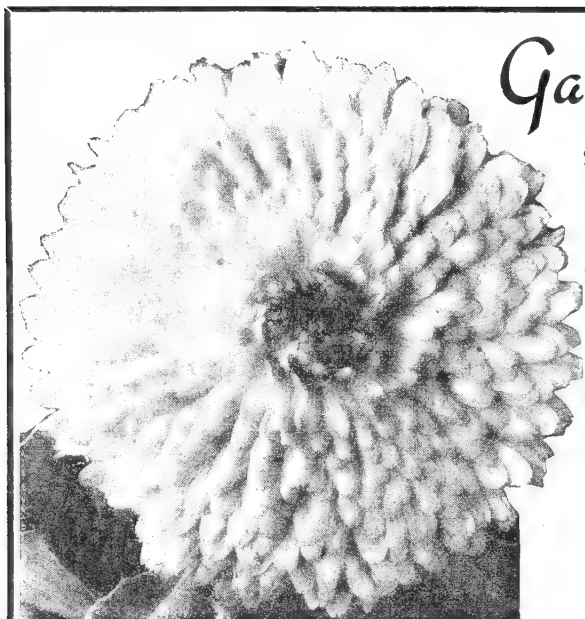
1169 FINEST MIXED.....Pkt. 20c

Special—One each of above five packets
Novelty Asters for 30c



Princess Asters with richly crested centers.

For Sturdier Plants and Larger, Healthier Blooms Treat Aster Seed With Semesan—See Page 17.



Gay Calendulas

Scotch or Pot Marigold (Annual)

- 1212 **YELLOW COLOSSAL.** (New.) Clear bright yellow flowers, 4½ inches across. Blooms profusely for 3 months. Pkt. 15c
- 1213 **GLOWING GOLD.** (New.) Loose fluffy petals, giving the appearance of a golden ball. Pkt. 20c
- 1214 **CHRYSANTHA or SUNSHINE.** Bright buttercup-yellow; long curling petals. ½ oz. 40c; pkt. 10c
- 1215 **APRICOT QUEEN.** Bright apricot, deepening slightly at center. ½ oz. 40c; pkt. 10c
- 1216 **MASTERPIECE.** Rich deep orange with a darker center. ½ oz. 40c; pkt. 10c
- 1217 **CAMPFIRE (Sensation).** Extra large orange flowers with an iridescent scarlet sheen. ½ oz. 50c; pkt. 10c
- 1219 **DOUBLE ART SHADES.** Pastel hues of apricot, cream, and orange. ½ oz. 50c; pkt. 15c

These brilliant flowers bloom from early summer to frost, and thrive even in poor soil. The plants are bushy and grow about 2 feet high.

BABY'S BREATH, see Gypsophila, page 53.
BACHELOR'S BUTTON, see Centaurea.

BALLOON VINE (Annual Climber)

- 1200 Height 10-15 ft. Graceful climber with pale green foliage and small white flowers followed by ornamental seed pods resembling balloons. ½ oz. 20c, pkt. 10c

BALSAM (Annual)

- 1205 **DOUBLE MIXED.** Height 18-24 in. Sturdy bushy plants with large double flowers clustered in the axils of the leaves. Colors: red, rose, pink and white. Prefer rich soil and sunny position. Pkt. 10c

BELLIS, English Daisy (Perennial)

- 1208 Height 6-8 in. Compact plants, with leaves forming a rosette; the daisy-like flowers of rose and white are borne on stiff stems. Bloom all summer. Pkt. 10c

BRACHYCOME, Swan River Daisy (Annual)

- 1209 Height 8 in. Compact plants with deeply cut foliage and dainty flowers. Suitable for edging and pot culture. Blooms all summer. Mixed colors. Pkt. 10c

California Poppies

Eschscholtzia (Annual)

Only those who have used California Poppies for summer bedding have any idea of the gorgeous effect produced by their brilliant colors. They thrive in loose sandy soil, in full sun and bloom early and continuously.

- 1221 **DOUBLE CHOICE MIXED.** Large double flowers in brilliant shades of crimson, deep red, yellow orange and gold. Pkt. 10c

CALLIOPSIS, Golden Wave (Annual)

- 1222 Height 2-3 ft. Plants are much branched and produce an abundance of showy flowers in various shades of crimson, orange and gold, all summer. Pkt. 10c

CANARY BIRD VINE (Annual Climber)

- 1235 Height 15-20 ft. Dainty cut foliage and curious bird-like blossoms of a clear canary yellow. Fine for covering stumps, trellises or fences. Pkt. 10c

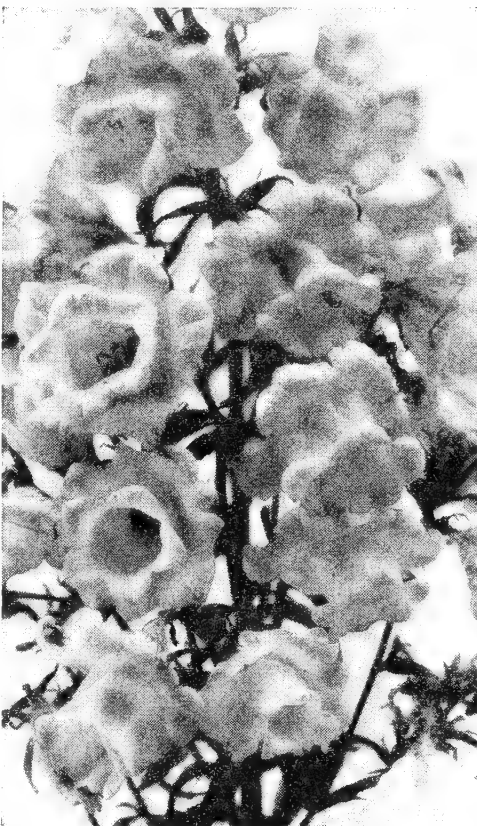
CARDINAL CLIMBER (Annual)

- 1245 Height 20 ft. A strong rapid-growing climber with fine fern-like foliage and clusters of bright red flowers from mid-summer to frost. Very showy. Pkt. 10c

Canterbury Bells

Campanula Biennial

- Plants form perfect pyramids about 2 feet high and produce beautiful bell-shaped flowers on long upright stems. Bloom in early summer.
- 1225 **SINGLE CANTERBURY BELLS.** Mixed colors, rose, blue and white. Pkt. 10c
- 1226 **DOUBLE CANTERBURY BELLS.** Mixed colors, pink, blue and white. Pkt. 10c
- 1232 **CUP AND SAUCER CANTERBURY BELLS.** Its very large calyx is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors. Pkt. 10c



Beautiful "Cup and Saucer" Canterbury Bells.

Candytuft

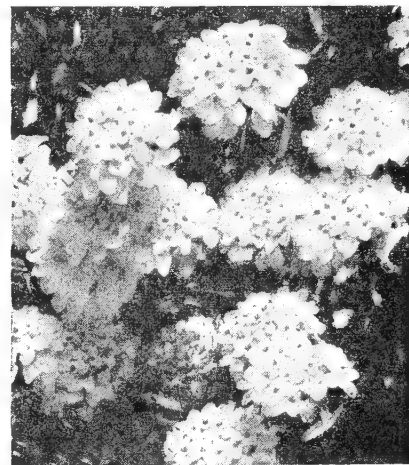
(Annual)

Dwarf plants admirably adapted to beds, edgings, pots and borders. Will thrive anywhere, and blooms profusely throughout the summer.

- 1240 **GIANT HYACINTH-FLOWERED.** 1 ft. Snow-white flowers. ½ oz. 25c; pkt. 10c
- 1242 **FINEST MIXED.** ½ oz. 25c; pkt. 10c

CANDYTUFT, IBERIS (Perennial)

- 1243 **SEMPERVIRENS.** 1 ft. Dwarf evergreen plants covered with white flowers in spring and early summer. Fine for borders and the rock garden. ½ oz. 60c; pkt. 15c



CANDYTUFT grows quickly and easily from seed. The snowy-white spikes of Giant Hyacinth-Flowered are excellent for cutting.

Carnation

Giant Flowering (Annual)

Few flowers surpass in fragrance the spicy-scented Carnation. Given an early start indoors or in a hotbed, Double Carnations like those grown by florists, can be grown in the outdoor garden. Plants lifted in fall, cut back and potted, will bloom again indoors.

- 1251 **GIANT ENFANT DE NICE.** Flowers are 2-3 inches in diameter on long, strong stems. Finest mixed colors. Pkt. 20c
- 1252 **GIANT DOUBLE MARGUERITE.** Blooms abundantly within five months from planting. Finest mixture. Pkt. 15c

CASTOR BEAN, see Ricinus, page 56.

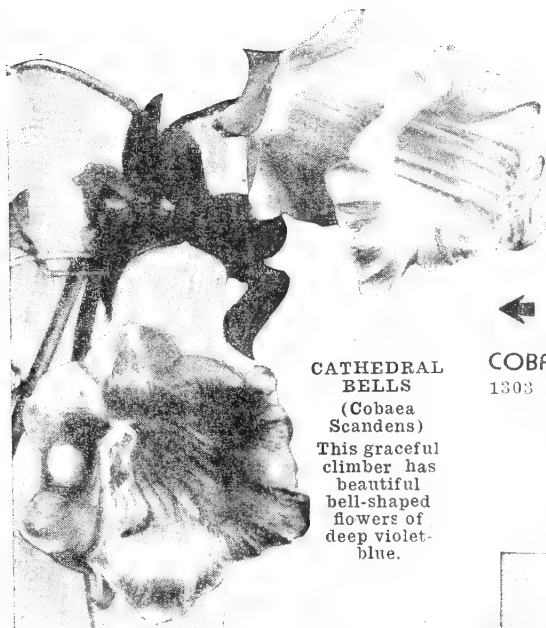
Cockscomb

Celosia (Annual)

- 1255 **CRISTATA.** Height 12-18 in. Large ornamental flower-heads frilled and corrugated like a cock's comb. Mixed colors. Pkt. 10c
- 1258 **PLUMOSA.** Height 3½ ft. Forms pyramidal branching plants with large feathery flower-heads, ranging from orange to deep crimson. Mixed colors. Pkt. 10c
- 1259 **PYRAMIDALIS (Flame of Fire).** Height 1½ ft. Candelabra-shaped plants, each branch terminating in a flower-head of fiery scarlet. Pkt. 20c

Chrysanthemum

- 1285 **ANNUAL CHRYSANTHEMUMS.** Height 20 in. Daisy-like flowers in attractive color combinations of yellow, brown, red rose and white. Useful for mass color effects and excellent for cutting. Bloom all summer. ½ oz. 25c; pkt. 10c
- 1290 **SHASTA DAISY (Perennial).** Height 2 ft. June-August. Bears large white flowers on long stems; invaluable for cutting. Very free flowering. Pkt. 10c



New Cleome

Giant Pink Queen ➡

1302 **CLEOME, PINK QUEEN.** 4 ft. Huge heads of delightful and refreshing true pink. The large flower bracts turn to white before falling, giving the appearance of a white collar with a pink cap. Grows 4 ft. tall and over, and blooms from July until frost. The foliage is airy and well-branched. An effective background plant...Pkt. 20c

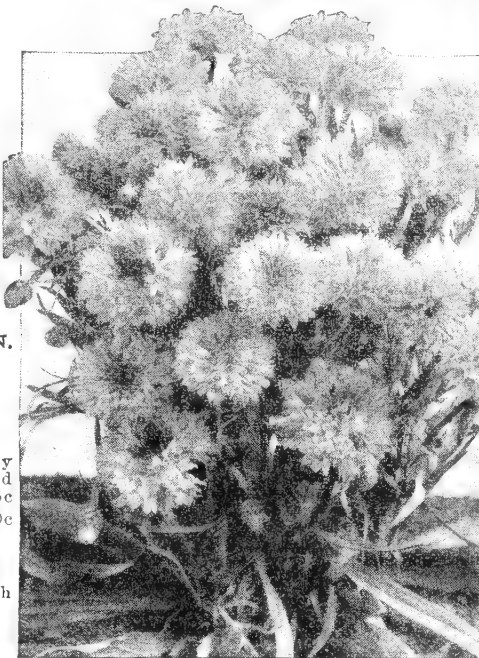
◀ Cathedral Bells

CATHEDRAL BELLS (Cobaea Scandens)

This graceful climber has beautiful bell-shaped flowers of deep violet-blue.

COBAEA SCANDENS (Annual Climber)

1303 Height 15-20 ft. A rapid-growing, handsome climber with beautiful bell-shaped flowers 1½ inches across and 2 inches long. Flowers open a clear green, gradually changing to deep violet blue. Particularly desirable for covering arbors, walls, etc.....Pkt. 10c



CENTAUREA JUBILEE GEM has vivid dark blue flowers.

Centaurea (Annual)

Bachelor's Button—Cornflower

These new improved varieties have larger flowers, stiffer stems and more vivid coloring. They grow about 30 inches tall, bloom all summer, and make fine cut flowers.

1260 **RED BOY.** 1261 **SNOWMAN.**

1262 **BLUE BOY.**

Each, ⅓ oz. 25c; pkt. 10c.

Victory Special, 3 pkts. (1 of each) 25c.

1268 **JUBILEE GEM.** 1 ft. This dwarf variety forms a compact plant, literally covered with vivid deep blue flowers....Pkt. 15c

1269 **DOUBLE MIXED.**...¼ oz. 40c; pkt. 10c

Giant Sweet Sultans, 2½ ft.

Beautiful, fluffy, double flowers on long smooth stems. Fragrant and extra-fine for cutting.

1275 **DEEP LAVENDER.**

1276 **YELLOW (Suaveolens).**

1277 **AMERICANA (Basket Flower).** Lavender.

1278 **IMPERIALIS FINEST MIXED.**

Any of above, ⅓ oz. 25c; pkt. 10c

Clarkia (Annual)

1300 **ELEGANS DOUBLE MIXED.** Height 2 ft. Plants send up a mass of slender, upright branches, with each branch covered for almost its entire length with charming rosette-like flowers, resembling sprays of Flowering Almond....Pkt. 10c

Double Coreopsis

(Perennial)

Height 2 ft. Large orange-yellow flowers on long graceful stems. Bloom profusely during the summer and fall, affording a constant supply of cut flowers.

1309 **DOUBLE SUNBURST.** This new form is very popular, the extra petalage adding a further charm to the immense golden yellow flowers.....Pkt. 20c

Give flowers a good start
with **SEMESAN** Pkt. 10c

See page 17
for details.



New Cosmos

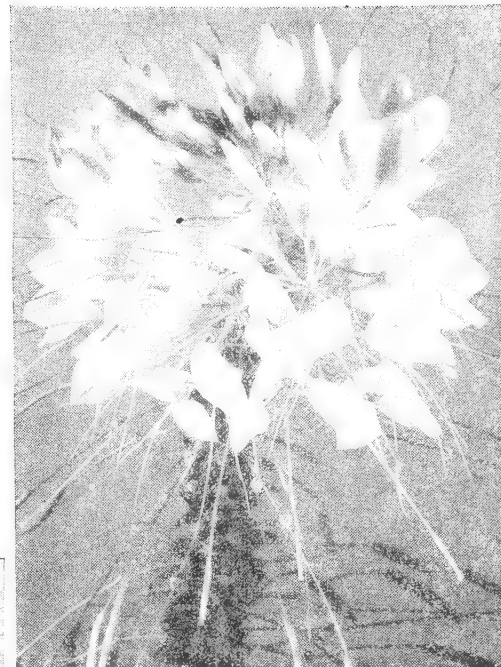
1310 **EARLY FLOWERING MAMMOTH MIXED.** 4-6 ft. Contains soft shades of crimson, pink and lavender.....Pkt. 10c

1311 **ORANGE RUFFLES.** 3 ft. Maintains a supply of brilliant orange colored, semi-double flowers from early summer to frost. The extra petals lend an airy, butterfly-like beauty to the richly colored blossoms. Like Orange Flare in plant habit, but blooms ten days earlier.....Pkt. 15c

1312 **ORANGE FLARE.** 3-4 ft. Blooms in 3 months from seed, and continues until killing frost. Flowers are a beautiful showy, golden orange. Plants are sturdy and well-branched, with deep green foliage.....Pkt. 10c

1313 **YELLOW FLARE.** Like Orange Flare except in color, which is a rich yellow. Pkt...10c

1315 **EXTRA EARLY DOUBLE CRESTED.** 4 ft. As large as the popular Sensation Cosmos, but with a 2-inch crested center making it appear even larger. Colors are white, pink and red...Pkt. 20c



From a distance the flower heads of Cleome look like pink butterflies.

Cynoglossum

CHINESE FORGET-ME-NOT (Annual)

1318 **DWARF FIRMAMENT.** 16 in. An improved bush form, with bright indigo-blue flowers all summer long. The plants are easy to grow and thrive even in dry, poor soil.....Pkt. 15c

COLUMBINE, see Aquilegia, page 48.

CORNFLOWER, see Centaurea.

Cypress Vine

(Annual Climber)

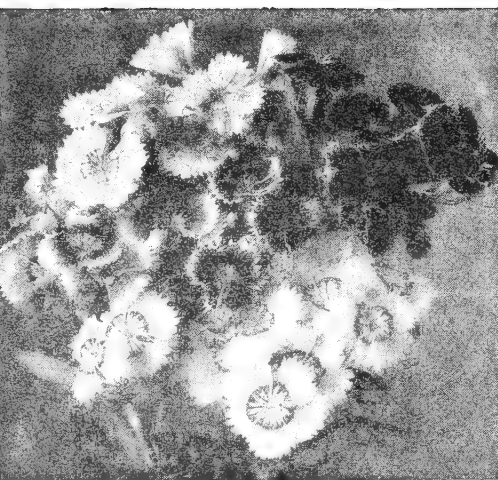
1319 Height 10-15 ft. A good vine for training on a light ornamental trellis. Bears a profusion of star-shaped scarlet and white blossoms from midsummer to frost. Fine fern-like foliage.....Pkt. 10c



Flowers of Cosmos Sensation are 4 inches across with heavy fluted petals.

1314 **SENSATION, GIANT EARLY STRAIN.** 4 ft. Mammoth flowers, 4-5 inches across, with heavy fluted petals. Colors: rose-pink, dazzling scarlet and white, with a satiny sheen.....Pkt. 15c

The great flower heads of Cleome "Pink Queen" are borne on shrub-like plants—ideal for background



The flowers of *Dianthus Sweet Wivelsfield* are sweetly fragrant and come in a wide range of gay colors.

Dianthus or Pinks

China Pinks (Annual)

Easily raised from seed, they bloom from early summer until frost.

- 1340 **SWEET WIVELSFIELD.** A splendid border and cut flower. The blooms are larger than Sweet William, with brilliant colorings and markings.....Pkt. 15c
- 1341 **HEDDEWIGI LACINIATUS. DOUBLE MIXED.** 1 ft. Brilliant colors, many striped and mottled.....Pkt. 10c
- 1348 **HEDDEWIGI LACINIATUS. SINGLE MIXED.** 1 ft. Very large fringed flowers ranging from white to deep crimson. Mixed colors..... $\frac{1}{4}$ oz. 25c; pkt. 10c

ENGLISH DAISY, see *Bellis*, page 50.

FEVERFEW, see *Matricaria*, page 54.

FORGET-ME-NOT, see *Myosotis*, page 54.

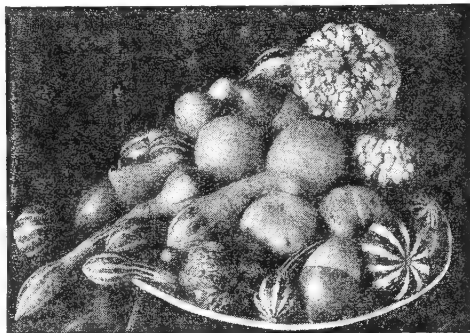
Four O'Clocks

Marvel of Peru (Annual)

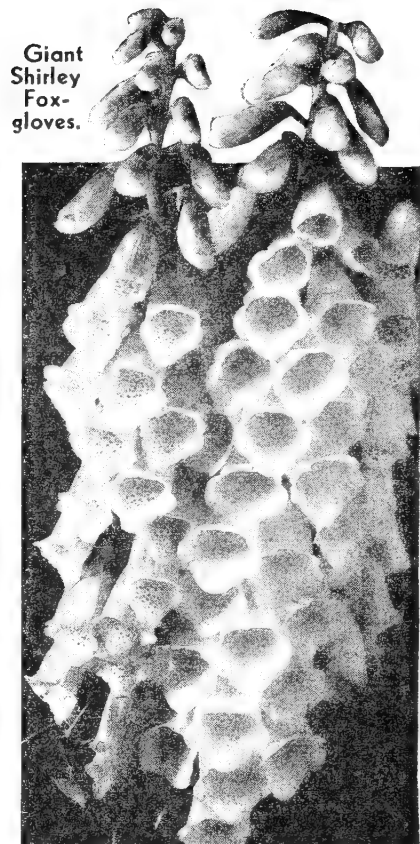
- 1370 Height 2-3 ft. Erect, bushy plants with dense glossy foliage and hundreds of long-tubed, funnel-shaped flowers of white, yellow, crimson or striped. They remain closed until 4 o'clock in the afternoon when the plants become a glowing mass of color..... $\frac{1}{4}$ oz. 15c; pkt. 10c

Foxglove or Digitalis →

- 1355 **SHIRLEY HYBRIDS.** Height 6 ft. The flower-heads are over 3 feet long, closely set with big bell-shaped blossoms of white, rose and crimson with beautiful throat markings. Mixed colors.....Pkt. 15c



BRIGHTLY COLORED GOURDS arranged in a bowl or basket make an unusual centerpiece for the table.



The tall spikes of Foxgloves are found in every well planned border.

GOMPHRENA, Globe Amaranth (Annual)

- 1390 Height 18-24 in. Bushy plants with clover-like blossoms of purple-red, yellow, rose and white. Very attractive in winter bouquets. They should be cut before they are fully open.....Pkt. 10c

GOURDS, ORNAMENTAL (Annual Climber)

- 1393 **SMALL VARIETIES MIXED.** 15-20 ft. Useful for covering arbors, fences, etc. The flowers are often beautiful, and the fruits are oddly shaped and quaintly marked and colored. They make unique table decorations and interesting toys for children..... $\frac{1}{4}$ oz. 25c; pkt. 10c

Delphiniums Tall and Stately

HARDY LARKSPUR (Perennial)

- 1333 **BELLAMOSUM.** Deep blue.....Pkt. 15c
- 1334 **CLIVEDEN BEAUTY.** (Improved Belladonna.) Turquoise blue.....Pkt. 15c
- 1335 **GOLD MEDAL HYBRIDS.** Color from pale lavender to deep blue, with many double.....Pkt. 20c
- 1336 **WREXHAM HOLLYHOCK STRAIN.** Giant flowered strain with double blooms $1\frac{1}{2}$ to 2 inches across, many of them bi-color.....Pkt. 35c
- 1337 **PACIFIC GIANTS.** Developed on the Pacific Coast. Florets 2 inches across, on 5 ft. stems, slender and wiry. Mildew resistant. Blue shades.....Pkt. 50c
- 1338 **BLUE BUTTERFLY (Annual).** (Chinese Delphinium.) 18 in. Intense gentian-blue florets; finely cut foliage.....Pkt. 15c

For Annual Larkspur see page 53.

Didiscus

Blue Lace Flower (Annual)

- 1354 Height 2-3 ft. Clusters of lovely umbel-shaped flowers, 2 to 3 inches across are produced from July to frost. Color, an exquisite shade of clear lavender-blue. Fine for cutting.....Pkt. 10c

DIGITALIS, see Foxglove.

Dolichos

Hyacinth Bean (Annual Climber)

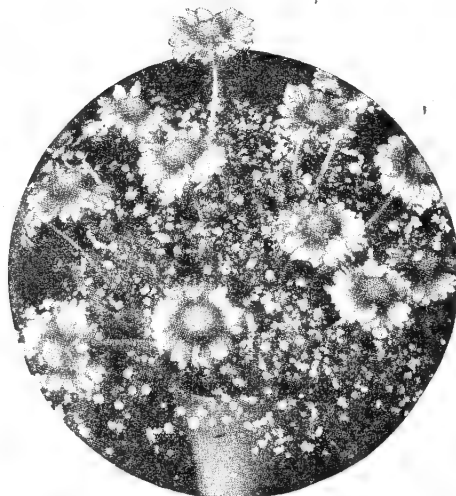
- 1357 Height 10 feet. Large dark green leaves and erect racemes of purple and white flowers, followed by ornamental seed pods of a shining bronze-purple. Grows rapidly..... $\frac{1}{2}$ oz. 25c; pkt. 10c

Annuals Make Good "Fill-Ins" For Your Perennial Border

Many beautiful Perennials die down by Midsummer, leaving the garden dull and uninteresting. To fill these gaps and provide uninterrupted bloom, start seeds of quick-growing Annuals in a seed bed in early spring, and later transplant them among the Perennials. Best suited for this purpose are:

Asters (page 49). Calendulas (page 50). Marigolds (page 54). Zinnias (page 59).

Gaillardias for All-Summer Bloom



Gaillardias combined with Baby's Breath

Blanket Flower (Annual)

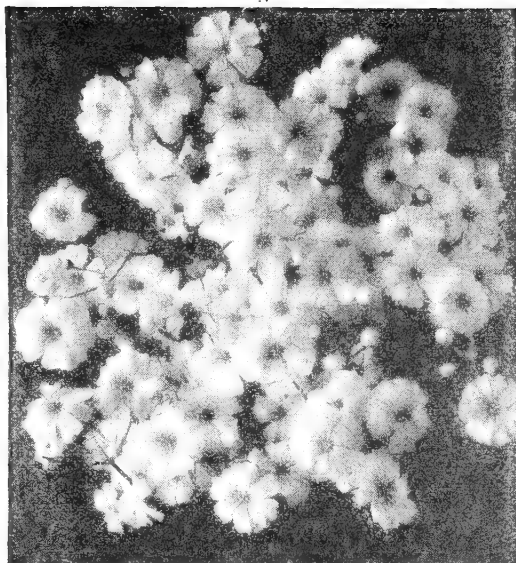
Brilliant and effective either for garden decoration or cutting. Gaillardias delight in a warm sunny location and light, open, well-drained soil. Sow the seed where they are to bloom.

- 1379 **INDIAN CHIEF.** 1 ft. Flowers are a glittering, metallic, bronze-red color with dark brown center.... $\frac{1}{4}$ oz. 25c; pkt. 10c
- 1380 **LORENZIANA DOUBLE FINEST MIXED.** 18 in. Colors range from light lemon-yellow to deep orange or scarlet with striking bands and flecks of crimson..... $\frac{1}{4}$ oz. 25c; pkt. 10c

Gaillardia Grandiflora (Perennial)

One of the few perennials that flowers continuously from June to October. They thrive in any position or soil and are perfectly hardy. Invaluable for cutting.

- 1381 **THE DAZZLER.** 2 ft. Large golden-yellow flowers with rich maroon centers.....Pkt. 15c
- 1382 **BURGUNDY.** 2 ft. Shining wine-red flowers, $2\frac{1}{2}$ inches in diameter on long, stiff stems.....Pkt. 20c



Annual Baby's Breath will add a charm to any bouquet of garden flowers.

Baby's Breath

Gypsophila (Perennial)

- 1410 **PACIFICA**. New rose-pink form, coming into bloom after the paniculata variety has passed.....Pkt. 25c
- 1415 **PANICULATA**. 2-3 ft. Plants are branchy and spreading with stiff, wiry stems and minute white flowers, producing a graceful misty effect. Used extensively with cut flowers and for winter bouquets..Pkt. 10c

ANNUAL GYPSOPHILA

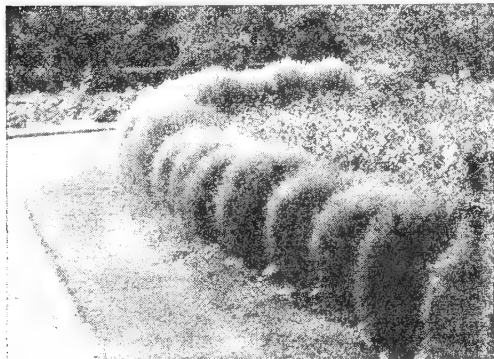
Graceful branching plants with clusters of delicate flowers about one-half inch across. Beautiful in bouquets with other flowers.

- 1416 **ELEGANS GRANDIFLORA ALBA**. 1½ ft. Large-flowering pure white.....¼ oz. 25c; pkt. 10c
- 1417 **ELEGANS GRANDIFLORA ROSEA**. 1½ ft. Beautiful soft pink. ¼ oz. 25c; pkt. 10c

HELIANTHUS, see Sunflower, page 57.

HELICHRYSUM, Everlasting or Strawflower (Annual)

- 1425 Height 2-3 ft. Large double flowers, 1-1½ in. across, are produced all summer. Colors range from yellow, orange, red and rose to white. Splendid for winter bouquets.....Pkt. 10c



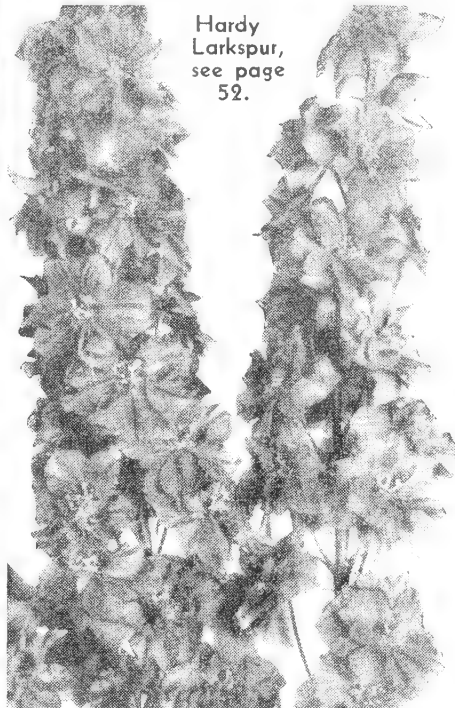
Kochia may be clipped to form a perfect hedge.

KOCHIA, Summer Cypress (Annual)

- 1465 Height 2-2½ ft. Plants are erect, much-branched and densely pyramidal resembling small closely-sheared evergreens. Foliage is feathery soft bright green, turning to red in fall. ½ oz. 25c; pkt. 10c

Hollyhocks

- 1436 **DOUBLE TRIUMPH**. 5 ft. Beautifully fringed rosette flowers in many new pastel shades and bi-color combinations. ½ oz. 60c; pkt. 15c
- 1437 **CHATER'S DOUBLE MIXED**. 5 ft. Extremely double flowers resembling small peonies with closely packed petals. Color range includes crimson, rose-pink, yellow, salmon and scarlet..... ½ oz. 60c; pkt. 15c
- 1440 **ANNUAL INDIAN SPRING**. Blooms in 5 months from seed. Has double and semi-double fringed flowers in shades of pink on 4-5 ft. plants.....Pkt. 15c



Hardy Larkspur, see page 52.

GIANT IMPERIAL LARKSPUR with large individual blossoms sets closely on spikes.

Annual Larkspurs

Giant Imperial Double

A new strain, especially valuable for cutting. The spikes are heavily covered with fully double flowers; individual florets are large and closely placed on the stems. Height 3-4 feet.

- 1470 **BLUE BELL**. Azure blue.
 1471 **BLUE SPIRE**. Deep violet-blue.
 1472 **DAZZLER**. Rich, lustrous scarlet.
 1473 **MISS CALIFORNIA**. Salmon-rose.
 1474 **WHITE SPIRE**. Dazzling pure white.
 1475 **GIANT IMPERIAL MIXED**.

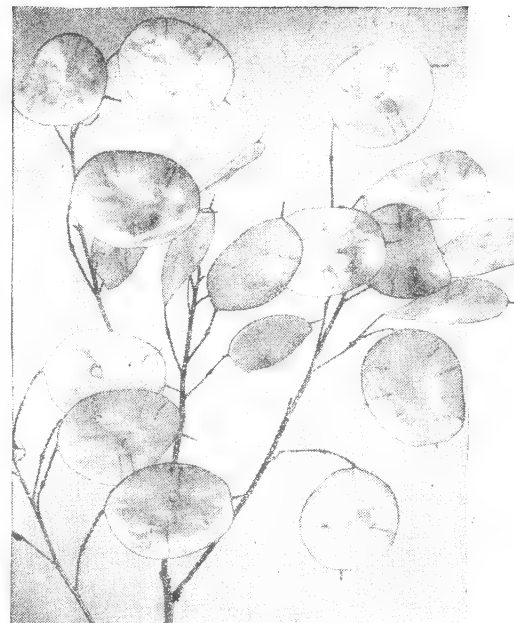
Any of the above, ½ oz. 40c; pkt. 15c.
 3 Packets (your choice) for 40c.

LATHYRUS, Perennial Pea (Perennial Climber)

- 1480 **LATIFOLIUS**. 6-8 ft. A decorative vine for a trellis or fence. The flowers are borne in large clusters all summer, and are splendid for cutting. Mixed colors: rose, white and crimson. Once established, the roots should not be disturbed.....Pkt. 10c

LINARIA, Maroccana (Annual)

- 1486 **FAIRY BOUQUET**. 8 in. Flowers are small and dainty, resembling miniature snapdragons. The colors range through crimson and gold, pink, mauve, blue and rose. Bloom in about 8 weeks from seed.....Pkt. 15c



The silvery seed pods of Lunaria are used in winter bouquets.

LOBELIA, Crystal Palace (Annual)

- 1489 Height 6 in. Plants form compact little bushes covered with brilliant, deep blue flowers throughout the summer. Desirable for edgings, bedding and pot culture.....Pkt. 10c

LUNARIA or Honesty (Biennial)

- 1490 Height 2 ft. Has purple flowers followed by shiny silvery seed pods. It is called "Honesty" because the seeds can be seen through the pods. Also known as St. Peter's Penny. Very attractive in winter bouquets combined with Physalis and other Everlastings.....Pkt. 10c

LUPINS, Hartwegii (Annual)

- 1493 Height 2 ft. Tall graceful spikes of pea-shaped flowers in delicate shades of blue, lavender, pink and white. If cut as they mature the plants continue to bloom.....Pkt. 10c



Lathyrus can be trained on posts, trellises or wires to fill in any gaps.

Hollyhock "Indian Spring" Develops Side Shoots Which Bloom After the Main Stem Is Cut Away.

Marigolds in New Colors and Types

Novelty Strains



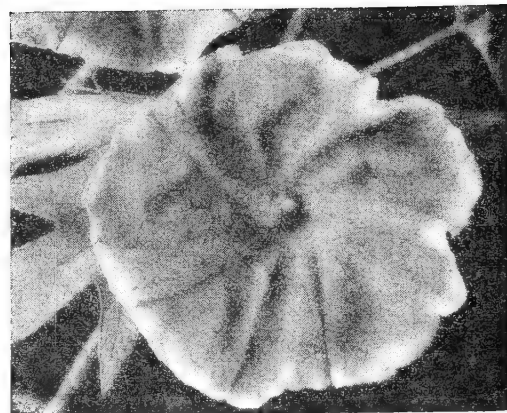
Mammoth Mum—the Giant Chrysanthemum-flowered Marigold.

1495 **GOLDEN BEDDER.** A dwarf chrysanthemum-flowered Marigold. Plants grow about 14 inches high and bloom early and profusely for many weeks. Flowers are golden orange with a row of outer guard petals surmounted by a fully double crest. Plants form symmetrical mounds and send up long stems, fine for cutting.....Pkt. 20c

1496 **MAMMOTH MUM.** 2½ ft. Great, fluffy, light sulphur-yellow blooms, 3½ inches and more across, and 2 inches deep. The largest in-curved chrysanthemum-flowered Marigold and a close rival to the big Chrysanthemum. Plants are bushy, strong, erect and bloom profusely. Single stalks often carry enough long-stemmed flowers for a substantial bouquet. In bloom continuously from August until freezing weather, they make a colorful show in the garden and give long-lasting cut-flowers for the house.....Pkt. 20c

1497 **MISSION GIANT GOLDSMITH.** 2 ft. Giant chrysanthemum-like blooms of a rich, golden orange, very full and double. Plants are base-branching, early and free-flowering.....Pkt. 15c

1498 **YELLOW SUPREME.** 2 ft. Flowers are semi-double, loosely ruffled, of a rich, creamy yellow color, of the true carnation flowered type. Plants are practically free from Marigold odor.....Pkt. 10c



Morning Glory Cornell has flowers of intense carnelian-red, bordered white.

Morning Glories

Ipomea (Annual Climber)

Cultural Notes—Never plant Morning Glories until the soil is thoroughly warm, or the seed will rot instead of germinating. Select a dry, sandy position, and sow where the plants are to flower, as they resent transplanting. Heavy watering and rich soil result in a dense growth of foliage and very few flowers.

1520 **PEARLY GATES.** Large satiny white flowers with cream shading in throat. The luxurious foliage sets off the flowers to best advantage and gives them a beautiful appearance.....Pkt. 15c

1523 **CORNELL.** Large flowers of an intense carnelian red, with a pure white border. The vines are strong and bloom profusely until killed by frosts.....Pkt. 15c

1525 **SCARLETT O'HARA.** A new color in Morning Glories. Rich wine-red or deep crimson. Very showy. For early flowering, the seed should be started in pots in March.....Pkt. 15c

1526 **EARLY FLOWERING HEAVENLY-BLUE.** Vines are a mass of lovely sky-blue flowers, 2½-3 inches across, from early summer to frost.....Pkt. 15c

1527 **SELECT MIXED.** Flowers are ruffled and fluted from throat to margin. Colors: red, rose, garnet, blue, purple, etc.....½ oz. 40c; pkt. 10c

All-America Selections for 1945

Silver Medal Winner

1510 **MARIGOLD FLASH.** A French Single, with flowers two inches across. The color is a rich velvety red and gold—two-tone in effect. Plants develop into bushy mounds, 18 inches high, and bloom early and profusely throughout the season. To brighten dull spots in the garden, for edging, pot plants and cut-flowers, "Flash" is ideal.....Pkt. 25c

Bronze Medal Winner

1499 **MARIGOLD REAL GOLD.** 2½ ft. Largest of all ruffled carnation-flowered Marigolds, with giant exhibition blooms 4½ inches and more across, very deep, very double, of a handsome golden-orange color. The flowers are deeper, larger, and richer in color than those of any other strain to date, "Real Gold" is outstanding in every way.....Pkt. 25c



See Page 48 for Illustration of Flash Marigold.

Marigold Scarlet Glow—Bright Bronze—Red.

Double African Marigolds

1500 **LEMON QUEEN.** 30 in. Large double quilled flowers of lemon yellow..Pkt. 10c

1501 **PRINCE OF ORANGE.** 30 in. Immense double-quilled flowers with ends of petals slightly frilled. Color is a deep golden orange.....Pkt. 10c

1502 **FINEST MIXED VARIETIES.** All shades from pale yellow to deep orange.Pkt. 10c

French Marigolds

1503 **SPRY.** 9 in. Flowers have a bright orange crested center with maroon outer petals. Plants are uniform, compact, early flowering.....Pkt. 10c

1504 **DWARF ROYAL SCOT ALL DOUBLE.** 10 in. This new strain is of dwarf bushy growth, with rich mahogany and gold flowers uniformly striped.....Pkt. 10c

1505 **DWARF DOUBLE BUTTERBALL.** 9 in. An exquisite little Marigold with 1½-inch canary-yellow blooms. Early and continuous flowering, excellent for edging or pot plants.....Pkt. 15c

1506 **SCARLET GLOW.** 10 in. Bright bronzed flowers on compact bushy plants. The brightest red double French sort.....Pkt. 15c

1507 **DWARF DOUBLE SUNKIST.** 9 in. A Silver Medal Winner. Very early and like Butterball in habit and form, but the color is a rich, deep golden orange.....Pkt. 20c

Red, White and Blue Morning Glory Collection

One Pkt. Each	Scarlett O'Hara Pearly Gates Heavenly Blue	40c
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MATRICARIA Feverfew (Tender Perennial)

1512 **CAPENSIS.** 18-24 in. Plants are bushy in growth, with finely cut leaves and clusters of small, tightly double, white flowers. Excellent for pot plants, bedding and cutting.....Pkt. 10c

MATTHIOLA, see Stock, page 57.

MIGNONETTE, Reseda (Annual)

1516 **MACHET.** 12-15 in. Immense compact spikes of blossoms with a delicate fragrant odor are produced throughout the summer and until late in the fall. Fine for cutting.....Pkt. 10c.

Moss Rose, see Portulaca, page 56.

MOURNING BRIDE, see Scabiosa, page 57.

MYOSOTIS or Forget-Me-Not (Perennial)

1535 Height 4-9 in. Plants are of compact habit with large clusters of exquisite clear blue flowers. Flourish in moist shady positions. Require winter protection.....Pkt. 10c

Marigold Special

BORDER COLLECTION

SPRY, orange and maroon
ROYAL SCOT, mahogany and gold
SUNKIST, brilliant orange

One Packet Each:

BUTTERBALL, yellow
SCARLET GLOW, red

All 5 (Value 70c) ppd. for 55c



The Double Gleam Nasturtiums have short runners and are excellent to grow in porch and window boxes.

Nasturtiums

The Double Gleam and Tall Flowering varieties quickly cover sunny slopes, stone walls or bare spots in the rock garden, while the dwarf sorts are excellent border and edging plants.

Double Gleam Type

- 1567 **CAPRICE.** Primrose and salmon-cerise blotched. A striking color combination.
- 1568 **INDIAN CHIEF.** Double sweet-scented flowers of vivid scarlet. The foliage is dark green.
- 1570 **GOLDEN GLEAM.** Fragrant golden-yellow flowers on long stems.
- 1571 **SCARLET GLEAM.** Fiery orange-scarlet flowers with ruffled petals.

Any of above, pkt. 15c

- 1572 **DOUBLE GLORIOUS GLEAM HYBRIDS.** Gorgeously colored flowers of salmon, yellow, cream, orange, scarlet, maroon and rose shades. Fragrant and profuse flowering. Pkt. 15c
- 1573 **DWARF DOUBLE GEM MIXTURE.** The ideal plant for border and edging use. Dwarf, compact, totally without runners, the plants produce fragrant, semi-double flowers of good size. The color range includes shades of rose, salmon, yellow and scarlet. Pkt. 15c
- 1574 **DWARF SINGLE MIXED.** 1 ft. Giant flowers in a great variety of gay color combinations and the brilliant self-colored sorts. Oz. 30c; pkt. 10c
- 1575 **TALL GIANT FLOWERING MIXED.** 6 ft. Excellent for hanging baskets, window boxes or for covering fences or walls. Oz. 30c; pkt. 10c

Nicotiana Flowering Tobacco (Annual)

- 1540 Height 2-3 ft. Plants are of branching habit, and bloom continuously from early summer until frost. The flowers resemble petunias, but have a longer tube. They open toward evening and emit a heavy fragrance. Hybrids mixed. Pkt. 10c

Nigella Love-in-a-Mist (Annual)

- 1545 **MISS JEKYLL.** Height 18 in. Plants are compact and free-flowering with finely cut foliage and large semi-double flowers of a lovely cornflower-blue on long stems. Pkt. 10c

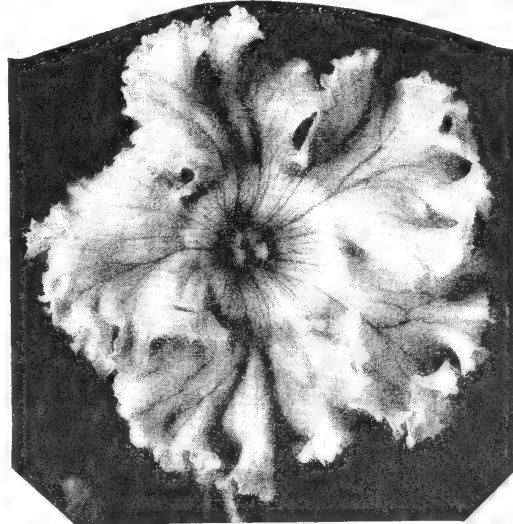
Brilliant New Petunias

Bedding Petunias

Dense bushy little plants, 8-12-inches high, literally covered with flowers all summer until killed by frost. Indispensable for borders, pots, rock gardens and bedding.

- 1640 **ADMIRAL.** Excels all other dwarf blue Petunias in its clear dark blue coloring and uniform habit of growth. Blooms profusely. Pkt. 50c
- 1642 **RADIANCE.** Brilliant cerise-rose with a salmon undertone to remove all harshness. Blooms are 2½ inches across with a golden throat. . . Pkt. 20c
- 1645 **HOLLYWOOD STAR.** Distinctive five-pointed star-shaped flowers of deep rose-pink with a golden throat. Pkt. 20c
- 1646 **ENGLISH VIOLET.** An All-American Selection. It has the same beautiful color as English Violets. Flowers hold this uniform color from the time they open until the last bloom. . . . Pkt. 20c

- 1648 **MARS.** A uniform, deep lively crimson, with a velvety texture. Deeper in color, and larger flowered than Flaming Velvet, the blooms average three inches. Pkt. 25c
- 1649 **TOPAZ QUEEN.** "The Queen of the Pinks." A deep, rich rose-pink that does not fade in the brightest sun. Dwarf and compact, its large flowers make a brilliant showing. Pkt. 25c
- 1651 **FINEST MIXED BEDDING PETUNIAS.** ½ oz. 60c; pkt. 10c



Theodosia, a Giant Single Fringed Petunia of Soft Rose-Pink.

Balcony or Trailing Petunias For Porch & Window Boxes

- 1656 **DEEP BLUE.** Deep violet-blue. Pkt. 15c
- 1657 **ROSE.** Brilliant rose. Pkt. 15c
- 1658 **RED WONDER.** The brightest red. Pkt. 20c
- 1659 **BLACK PRINCE.** Rich velvety red. Pkt. 15c
- 1660 **CORN FLOWER BLUE.** Rich blue. Pkt. 15c

Garden Books

AUDEL'S GARDENERS' AND GROWERS' GUIDE
4 volumes, 1,700 pages, hundreds of illustrations. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Circular free.

Four Volumes

Flexible Art Binding \$5.35 ppd.

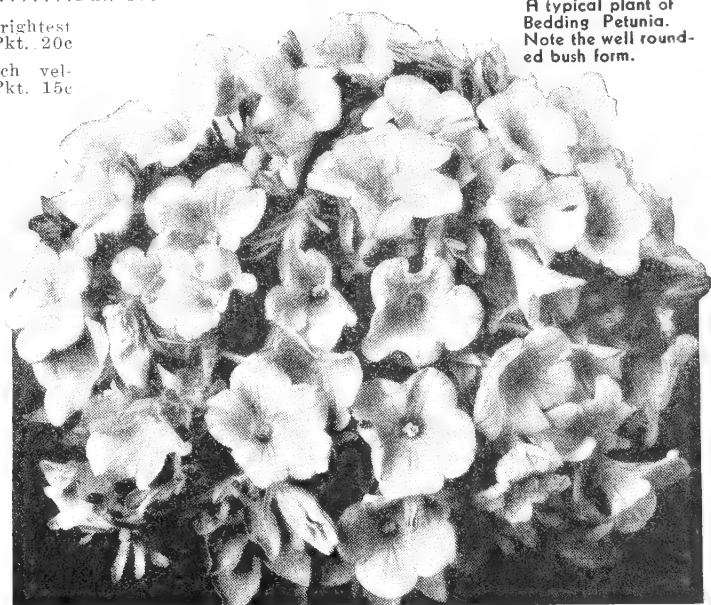
Martha Washington Ruffled & Frilled

1650 **MARTHA WASHINGTON.** Beautiful blush-pink, veined wine-red. Ruffled and frilled 3-inch blooms on bushy plants only 9 inches high. Just the thing for pots, window-boxes and bedding. Pkt. 30c

Giant Petunias

For Pot Plants or Bedding. Plants grow about 12 inches high, of bushy habit, with enormous flowers, 4 inches across.

- 1652 **KING HENRY.** Color a velvety blood-red. Plants of compact, globular habit, with giant single blooms on short stems. Pkt. 25c
- 1653 **SETTING SUN.** A Giant Single Flowering Fringed Petunia. Forms compact bushes, 12 inches high, covered with fringed blossoms of bright rose-pink, measuring 3 inches across. . . . Pkt. 35c
- 1654 **ELK'S PRIDE.** A Giant Single Petunia of exceptional beauty. The color is a deep, velvety purple. Plants are dwarf, compact and vigorous. . Pkt. 25c
- 1655 **THEODOSIA.** A Giant Single Fringed Petunia of soft rose pink, with wide golden throat, delicately veined. Gracefully fringed and ruffled. . . . Pkt. 30c



A typical plant of Bedding Petunia. Note the well rounded bush form.

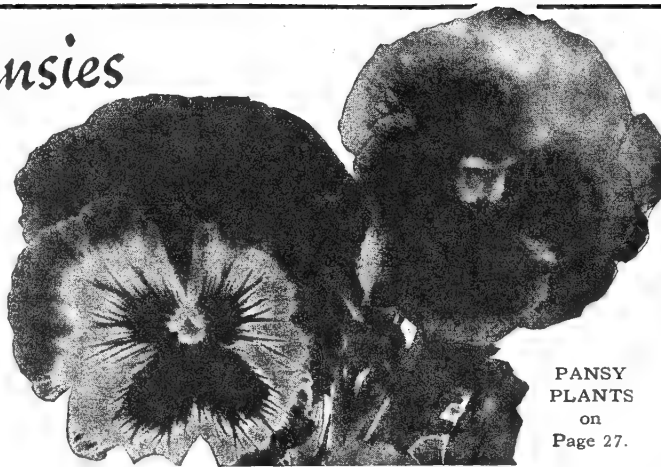
Petunia Hollywood Star has 5-pointed star-shaped flowers of rose-pink.

Giant Pansies

Pansy seed may be started indoors in February or in a cold frame in March, in carefully pulverized rich soil.

Transplant to open ground in May.

If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch of straw, in fall, and they will endure hard winters with perfect safety.



PANSY PLANTS on Page 27.

- 1620 **ENGLEMANN'S SPECIAL GIANT.** Re-selected to a strain of immense flowers from the old Scottish Show type. Bronze and reddish shades. Vigorous, compact and early flowering.....Pkt. 35c
- 1628 **ROGLI SWISS GIANTS MIXED.** Gigantic flowers of heavy texture on strong stems. The colors are choice and rare, surpassing in quality and range all other Swiss Giants.....Pkt. 25c

- 1629 **MASTERPIECE OR RUFFLED PANSIES.** A remarkable strain of Giant Pansies with beautifully frilled petals, so full as to appear almost double. Rich colors, with dark velvety shades predominating.....Pkt. 25c
- 1631 **TRIMARDEAU MIXTURE.** A superior strain, with robust deep-rooting plants and flowers of mammoth size and great substance. Choice mixed colors..Pkt. 20c

Annual Phlox

Drummondii Gigantea

Improved Annual Phlox rivals in size the hardy perennial varieties and is unsurpassed for massing and bedding. It provides an un-failing display of color and cut flowers from early July until well into October.

- 1664 **RED GLORY.** 1942 All-America Winner. Rich bright red, with contrasting white eyePkt. 20c
- 1665 **ROSY MORN.** Deep rose-pink with a white eye.....Pkt. 20c
- 1666 **FINEST BEDDING MIXED.** 12 in.Pkt. 10c
- 1673 **STAR CHOICE MIXED.** 12 in.Pkt. 10c

Physalis Chinese Lantern (Perennial)

- 1675 **FRANCHETTI.** 18-24 in. Plants form dense bushes and bear bright, orange-scarlet pods, resembling miniature Chinese lanterns. May be dried and used for winter bouquets. Very attractive combined with Lunaria...Pkt. 10c

PINKS, see Carnation, Dianthus and Sweet William.



Sow PORTULACA in low border edgings, between stepping stones and in the rock garden. It makes a brilliant floral carpet.

Platycodon Balloon Flower (Perennial)

- 1679 **GRANDIFLORA BLUE.** Height 18-24 in. Handsome compact-growing plants, bearing an abundance of broad, bell-shaped blue flowers in July. The flowers when in bud have the appearance of inflated balloons.....Pkt. 10c

Portulaca Moss Rose (Annual)

Portulacas thrive in a dry, sunny position where most other flowering plants would die of drought. They are but 4 inches high, of spreading habit and form a dense thick carpet. The glossy cup-shaped single blossoms and rose-like double flowers cover the plants and make a brilliant display all summer.

- 1711 **JEWEL.** A rare beauty, four times as large as the usual Portulaca flower. The color is a brilliant deep crimson, vivid and outstanding.....Pkt. 20c
- 1712 **SINGLE MIXED...** ½ oz. 50c; pkt. 10c
- 1713 **DOUBLE MIXED...** ½ oz. \$1.00; pkt. 15c

Pyrethrum Painted Daisy (Perennial)

- 1726 **SINGLE RUBY RED.** 2 ft. Large, single, disk-like flowers of rich crimson-red. Plants set in groups of 3 or 4, add brilliance to the garden. Blooms in June and again in late summer.....Pkt. 15c

Rhodanthe Everlasting (Annual)

- 1729 **MANGLESII ROSE.** 1 ft. One of the few everlastings which retains its grace and beauty after being dried. Flowers cut before they fully expand retain their beautiful bell form.....Pkt. 10c

Ricinus Castor Bean (Annual)

- 1730 **RED SPIRE.** 6-8 ft. Foliage plants of luxuriant and rapid growth, valuable for backgrounds and screens, producing a rich tropical effect. The leaves are of enormous size, deeply lobed and conspicuously veined, dark green and bronze in color.....Oz. 35c; pkt. 8c

Gorgeous Poppies

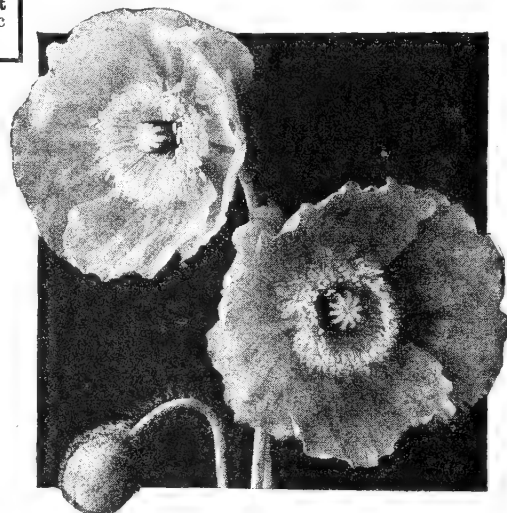
ICELAND POPPIES (Nudicaule) Perennial

To brighten the garden, you can make no better choice than the new improved Iceland Poppies. They bear immense flowers with broad, deeply fluted petals, giving a semi-double effect. Bloom freely the first year from seed if sown early.

- 1707 **THE EMPEROR.** 18 in. Deep tangerine, orange.....Pkt. 15c
- 1708 **THE EMPRESS.** 18 in. Shades of salmon and rose-pink.....Pkt. 15c
- 1709 **YELLOW WONDER (Amurensis).** An All-America Selection. 24 in. Bright buttercup yellow. Heat and drought resistant.....Pkt. 15c

ORIENTAL POPPY Perennial

- 1710 Height 2-3 ft. For gorgeous coloring Oriental Poppies have few rivals among hardy plants. The flowers are often 6 inches across and are borne on tall stems. Produce a magnificent effect.....Pkt. 15c



ICELAND POPPY "EMPEROR." Has silky-textured, fluted flowers of deep tangerine orange.

Annual Poppies

- 1691 **AMERICAN LEGION.** An improved variety of Flanders Poppy. Flowers are a brilliant orange-scarlet of enormous size, on long stout stems..... ½ oz. 25c; pkt. 10c
- 1692 **GIANT SHIRLEY (Silk or Ghost).** 1 ft. Beautiful satiny flowers, 4 inches across, with fluted, crinkled petals. Colors contain delicate shades of rose, apricot, salmon-pink and crimson with occasional blues. Foliage is hairy and finely cut. ½ oz. 30c; pkt. 10c
- 1695 **DOUBLE SHIRLEY POPPY, "Sweet Briar."** Deep rose-pink flowers, full and double. Resembles a large double Begonia.....Pkt. 10c

New Rudbeckia

Coneflower (Annual)

- 1715 **AUTUMN TINTS.** 2 ft. Flowers of this outstanding new strain measure 4 inches in diameter and have erect non-drooping petals. Autumn Tints is a mixture of attractive autumn shades.....Pkt. 15c

A path or driveway bordered with Portulaca "Jewel" will cause as much excitement as any flowers you grow.



SALPIGLOSSIS,
Painted Tongue or Velvet Flower (Annual)
Illustrated Above

1741 Height 2-2½ ft. Beautiful velvety petunia-like flowers, greatly prized for cutting. They range in color from various shades of purple and blue through red and yellow to creamy white, delicately veined and penciled with gold. Bloom from July to frost. . . . ¼ oz. 50c; pkt. 10c

Bright Salvias

Scarlet Sage (Annual)

Handsome summer and autumn-flowering annual with brilliant flowers; very effective for massing, bedding and cutting. Useful also for window box and pot plants.

1745 **SPLENDENS.** 2-3 ft. Plants are much branched with large spikes of bright scarlet flowers produced in profusion during the summer and fall. This is the old favorite bedding variety. . . . ¼ oz. \$1.25; pkt. 15c

1746 **FIREBRAND (Harbinger).** 15 in. A true dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. The symmetrical plants are completely covered with long sprays of large brilliant scarlet flowers. . . . Pkt. 25c

1747 **FARINACEA BLUE BEDDER.** 2-3 ft. Long spikes of showy deep blue flowers, splendid for garden display and cutting. Can be dried and used as an everlasting. Seed sown in May will bloom from July to frost. . . . Pkt. 25c

SCARLET RUNNER BEAN (Annual Climber)

1760 Grows 12 to 15 ft. high, with brilliant scarlet flowers followed by green shell beans excellent for table use. . . . Lb. 45c; ½ lb. 25c; pkt. 10c

SCHIZANTHUS, Butterfly Flower (Annual)

1764 Height 18-24 in. Plants are of bushy luxuriant growth, with delicate finely-cut foliage and exquisite orchid-like flowers in a great range of bright colors, blotched and marked in contrasting shades. One of the daintiest of annuals. . . . Pkt. 10c

SHASTA DAISY, see page 50.

SNAPDRAGON, see Antirrhinum, page 48.

STATIC, Sea Lavender (Annual)

1769 **SINUATA.** 1-2 ft. Suitable for growing in rock gardens and charming when dried for winter bouquets. The flowers are produced in racemes on long, graceful stems. Colors: rose, blue and white; retains its true colors when dried. . . . Pkt. 10c

Giant Scabiosas

Pin-cushion Flower (Annual)

Showy in the garden and one of the finest annuals for cutting. Bloom continuously from early summer until frost, in a wide range of rich, beautiful colors. They grow 2 to 3 feet high, with flowers on long slender stems; also known as Mourning Bride.

1750 **ROSETTE.** Rose suffused salmon. . . Pkt. 15c

1751 **KING OF THE BLACKS.** Reddish-black. . . . Pkt. 10c

1752 **IMPERIAL GIANTS BLUE MOON.** A luscious shade of deep lavender blue. Extra large double flowers with broad, frilly petals. . . . Pkt. 15c

1753 **PEACE.** Semi-tall double white on eight-inch stems. . . . Pkt. 15c

1754 **BLUE COCKADE.** Deep blue. . . Pkt. 10c

1755 **FIERY SCARLET.** . . . Pkt. 10c

1757 **GIANT HYBRIDS MIXED.** . . . ½ oz. 30c; pkt. 10c

SCABIOSA CAUCASICA Blue Bonnet (Perennial)

1758 **GIANT HYBRIDS.** Height 18-24 in. Many some hardy plants that thrive in ordinary garden soil. The semi-double flowers are 2 to 3 inches across and are borne on long stout stems; color is an exquisite lavender-blue shading to deep blue. Exceptionally good for cutting. . . . Pkt. 20c

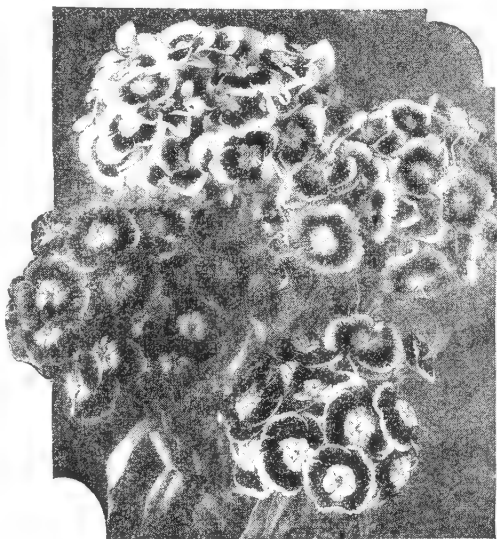
Colorful Stocks

Gilliflower (Annual)

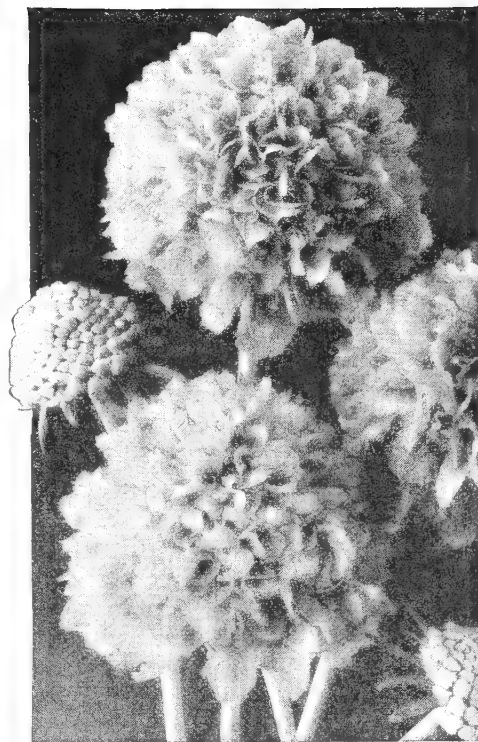
Their deliciously-scented flowers are borne in branching spikes on velvety-leaved plants. The secret of growing good Stocks in the garden is to start the seed early indoors, prick the seedlings into tiny pots, and keep them growing rapidly until they can be set outdoors in the richest possible soil.

1772 **DWARF TEN WEEKS.** 12 in. Large-flowering, double, fine for bedding. Finest mixed colors. . . . Pkt. 10c

1777 **GIANT IMPERIAL.** 24 in. Double. Given sufficient room, the plants form magnificent bushes with long, thick flower. Finest mixed colors. . . . Pkt. 15c



To have strong, thrifty plants and large flowers, sow seed of Sweet William every year.



Scabiosa Imperial Giants Blue Moon is entirely new in form, with broad wavy petals.

Stokesia Cornflower Aster (Perennial)

1780 **CYANEA.** 2 ft. One of the choicest flowers for the garden and indispensable for cutting. Plants are much branched and bear freely from July until frost, the handsome lavender-blue flowers which measure from 4 to 5 inches across. Of easy culture, succeeding in any open, sunny position. . . . Pkt. 10c

Sunflower Helianthus (Annual)

1830 **MINIATURE SUNFLOWER.** 3-4 ft. Produce flowers in many shades of rose, bronze and orange. Bloom all summer and are useful for cutting. . . . Pkt. 10c

1831 **RED SUNFLOWER.** 4-6 ft. Curled petals in various shades of red and orange, beautifully shaded and bordered. . . Pkt. 10c

1832 **MAMMOTH RUSSIAN.** 8-10 ft. Huge flat flower heads grown for the seeds which are fed to parrots, poultry and birds. Planted in the poultry yard the plants furnish shade, and when planted in the vegetable garden the stalks will serve as poles for climbing or pole beans. . . . Large pkt. 5c

SWEET ALYSSUM, see Alyssum, page 48.

SWEET SULTANS, see Centaurea, page 51.

Sweet William

Dianthus Barbatus (Perennial)

One of our finest hardy garden plants, of easy culture and thriving in any good garden soil. Grow 12 to 18 inches high, with flowers in flat clusters on tall stiff stems.

1890 **SINGLE LARGE FLOWERED MIXED.**

1891 **DOUBLE LARGE FLOWERING MIXED.**

1892 **PINK BEAUTY.** Beautiful salmon-pink.

1893 **SCARLET BEAUTY.** Brilliant scarlet.

Any of the above, pkt. 10c.

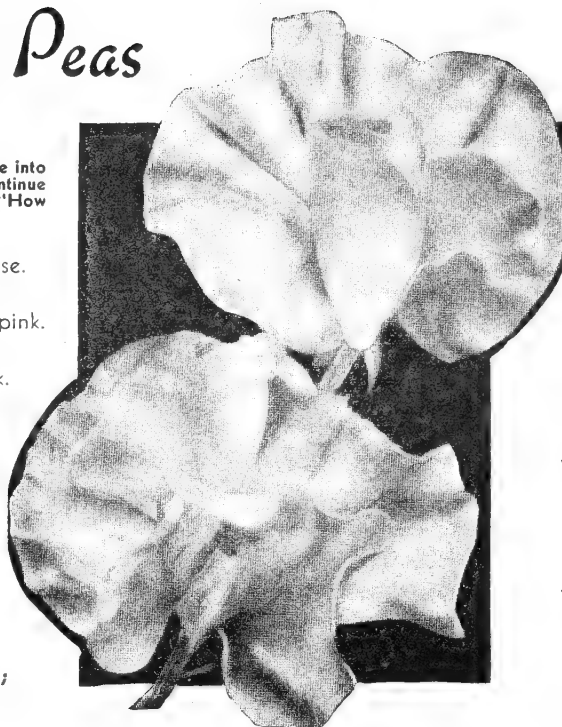
Giant Sweet Peas

Early Spring-Flowering Spencers

Best for the North and Middle West, as they come into bloom a month earlier than the late varieties, and continue to bloom for a much longer period. Our leaflet, "How To Grow Sweet Peas," is free for the asking.

- 1834 American Beauty. Rich crimson-rose.
- 1835 Amethyst. Royal purple.
- 1836 Ball's Rose Improved. Deep rose-pink.
- 1837 Cascade. Large pure white.
- 1839 Laddie Improved. Light rose-pink.
- 1841 Florist Rose. Pure carmine-rose.
- 1843 Fragrance. Clear lavender.
- 1845 Daphne. Soft salmon-pink.
- 1847 Mariner. Clear marine-blue.
- 1848 Mars. Deep crimson.
- 1850 Treasure Island. Sparkling orange.
- 1851 Oriental. Deep cream.
- 1852 Othello. Maroon.
- 1854 Red Cross. Dazzling scarlet-cerise.

Your choice, any of the above, pkt. 15c;
2 pkts. for 25c.



Special

Ruffled Sweet Peas

- One Bonnie Ruffles. Cream-pink.
Pkt. Ruffled Blue. Medium blue.
Ruffled Crimson. Rich crimson.
Each Royal Ruffles. Cerise.
Ruffled Rose. Pure rose.
Ruffled Purple. Rosy purple.

All 6 Pkts. 50c

Summer-Flowering Spencers

- 1857 Ruffled Blue. Medium blue.
- 1858 Bonnie Ruffles. Cream-pink.
- 1859 Ruffled Crimson. Rich crimson.
- 1860 Ruffled Crinkles. Coral-pink.
- 1861 Ruffled Purple. Rosy purple.
- 1862 Ruffled Rose. Pure rose.
- 1863 Royal Ruffles. Scarlet-cerise.
- 1864 Ruffled White. Pure White.

Any Summer-Flowering Spencers,
pkt. 10c.

- 1865 RAINBOW MIXED SPENCER. Giant Waved Spencer varieties in a complete color range. ¼ lb. 60c; oz. 25c; pkt. 10c
- 1875 EARLY FLOWERING SPENCER MIXED. Come into bloom a month earlier than other sorts. Oz. 50c; pkt. 15c

Vivid Verbenas

Giant Hybrid (Annual)—Height 1 ft.

Unsurpassed for massing in large beds. The plants are of low spreading growth and are covered with brilliant flowers from June to frost. Average trusses measure 3½ inches across. Valuable for cutting.

- 1899 FLORADALE BEAUTY. Extremely large flowers. Shades from rose-pink to rose-red. Pkt. 15c
- 1900 BLUE AND PURPLE SHADES. Pkt. 10c
- 1907 CRIMSON GLOW. A pure glowing crimson without an eye. Pkt. 15c
- 1908 GIANT HYBRID MIXED VERBENAS. This mixture includes shades of blue, lavender, purple, yellow, rose and scarlet. Will provide flowers for cutting all summer. ½ oz. 40c; pkt. 10c

Dwarf Compact Varieties—Height 7 in.

Compact in habit, continuous bloomers, adapted for bedding, borders and small gardens.

- 1910 WHITE BALL
 - 1911 BLUE SENTINEL
- Each of the above, pkt. 15c.

Verbenas make excellent window box and border plants as they bloom continuously from June to frost.

Viola Cornuta

Tufted Pansy (Perennial)

Closely related to pansies and violets, Violas make splendid edging plants for the border and rock garden. They are hardy and bloom continuously.

- 1919 FINEST MIXED. Includes lavender, orange, purple, blue and yellow. Pkt. 15c

For Viola and Pansy Plants, see page 27.

WALLFLOWER, Double (Annual)

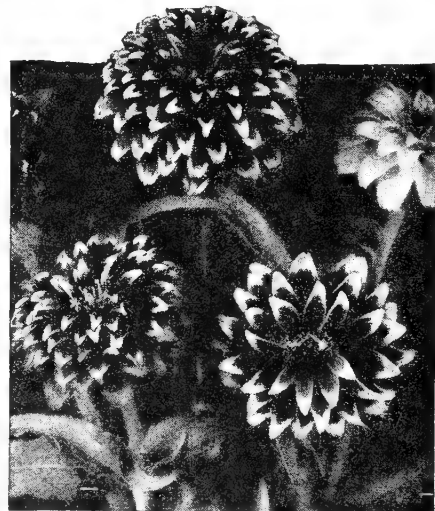
- 1920 Height 12-15 in. Suitable for bedding or pot culture. The main spike is covered with double fragrant blossoms of brown and golden yellow. Seed started indoors in February produces flowering plants in July. Mixed colors. Pkt. 15c

WILD CUCUMBER (Annual Climber)

- 1925 ECHINO CYSTIS LOBATA. 20 ft. Grows rapidly and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Oz. 25c; pkt. 10c

YUCCA, Adam's Needle (Perennial)

- 1929 FILAMENTOSA. 3-5 ft. Plants present a striking tropical appearance with their strong sword-like foliage and tall spikes of creamy white flowers. Bloom in July. Very effective in the border and rock garden. Pkt. 10c



Mexicana or Miniature Zinnias

(HAAGEANA)

This dainty little Zinnia should be in every garden. Arranged in low bowls for table decoration it makes the daintiest and most attractive bouquets imaginable. Also a splendid rock garden and border plant.

- 1979 MIXED COLORS. Flowers are double and semi-double. 1½ inches across, and come in a most unusual color range—rose-tipped yellow, maroon-tipped cream, yellow-tipped red. Plants grow 10-15 inches high. ¼ oz. 50c; pkt. 15c

The Flower Educator

Lovers of flowers will read with interest and pleasure Audel's Flower Educator. Contains over 600 pages and hundreds of illustrations including full page plates of flowers. Printed in large type, easy to read. Flexible art binding. A much appreciated gift.

Complete Pocket Size
Reference Index

\$1.50
ppd.

Desert Gold Zinnias and Chinese Forget-Me-Nots make a pleasing color combination in bouquets. (See pages 51 and 59 for descriptions and prices.)



Pompon
Zinnias
for
Cut
Flowers
All
Summer

Sensational Zinnias for Your Garden

Giant Double Dahlia Flowered Zinnias

Height 3 ft.

Huge, double flowers, often measuring 4 inches in depth and from 4-5 inches across. The petals are broad, and closely imbricated resembling the show type of Dahlia. Flower in 60 days.

- 1931 **WILL ROGERS**. Brilliant scarlet.
- 1932 **GOLDEN DAWN**. Golden yellow.
- 1933 **ILLUMINATION**. Deep rose.
- 1934 **CRIMSON MONARCH**. Rich crimson.
- 1935 **ORIOLE**. Orange and gold bi-color.
- 1936 **ROYAL PURPLE**. Deep rich purple.
- 1938 **ELDORADO**. Salmon-apricot.

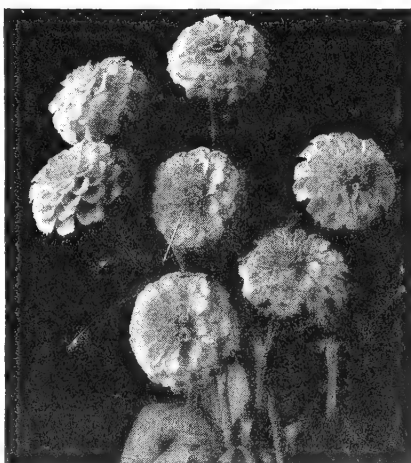
Any of above, pkt. 15c.

4 packets (your choice) for 50c.

- 1940 **GIANT DAHLIA FLOWERED MIXED**. 1/4 oz. 60c, pkt. 15c

David Burpee Zinnias Giants of a New Race

1945. **DAVID BURPEE**. 4 ft. Giant flowers with attractively curled and quilled chrysanthemum-like petals. The color range is unusual, and includes cream, buff, rose, apricot, burnt orange, and some two-toned. All are interesting and full of surprises both in coloring and petal formation. Pkt. 15c

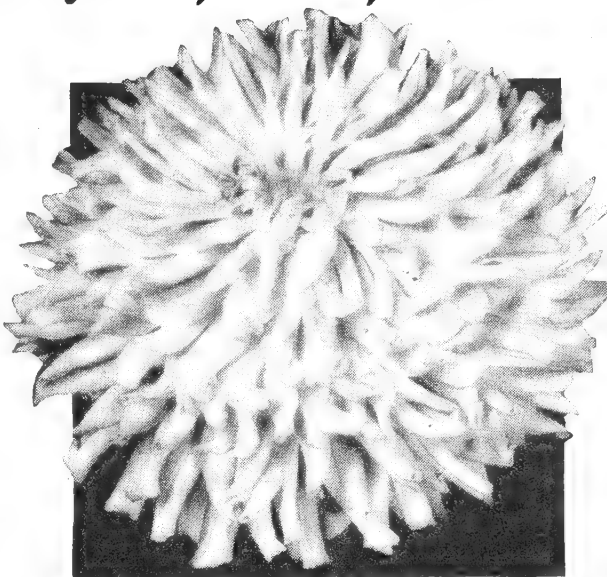


Cupid Zinnias for Table Bouquets.

Super Crown O'Gold Pastel Tints

1950. **CROWN O'GOLD** is a new form of Zinnia—a variation of the Giant Dahlia Flowered type. Its claim to distinction is the golden yellow touch at the base of each petal of the large flowers. Pastel Tints include shades of yellow, old gold, peach, pink and salmon. Pkt. 20c

Giant Zinnia Collection		
One Pkt. Each	{ Dahlia Flowered Mixed Super Crown O'Gold. California Giant Mixed	40c
Dwarf Zinnia Collection		
One Pkt. Each	{ Cupid Finest Mixed Red Riding Hood Zinnia Linearis	30c



David Burpee, the New Giant Zinnia

California Giant Zinnias

Height 3-4 ft.

Very large double flowers, averaging 5-6 inches in diameter when in full bloom. Somewhat flat in form, the flowers have a most graceful appearance and are splendid for cutting. Bloom in 60 days.

- 1960 **GRENADIER**. Extra fine dark red.
- 1961 **MISS WILLMOTT**. Soft, rich pink.
- 1962 **LAVENDER GEM**. Clear lavender.
- 1963 **ROSE QUEEN**. Rose with deep rose-center.
- 1964 **LEMON QUEEN**. Petals canary yellow on upper and cerise on lower side. Fragrant.

Any of above, pkt. 15c.

- 1965 **CALIFORNIA GIANT MIXED**. 1/4 oz. 60c, pkt. 15c

Fantasy, a Cactus Petaled Zinnia

1970 **FANTASY**. 2 1/2-3 ft. The strikingly attractive, shaggy-petaled flowers resemble cactus dahlias. The color range includes the brightest shades of red, yellow and orange, as well as pastel pinks and cream. Picking the blooms freely will cause the plants to branch and produce more flowers. Pkt. 15c



Zinnia Dahlia Flowered Will Rogers is bright scarlet

Dwarf Zinnias

Pompon or Baby Zinnias

(Lilliput.) Height 1 1/2 ft.

The plants form handsome little bushes, literally covered with tiny, very double flowers. They bloom all summer. Excellent for borders, bedding and cut flowers.

- 1972 **DAINTY GEM**. This new bi-colored Zinnia has center petals of bright rose-pink, and lower petals of flesh-pink. A "gem" for cutting. Blooms without letup until frost. Pkt. 15c
- 1973 **BLACK RUBY**. Rich, deep maroon.
- 1974 **VALENCIA**. A deep burnt orange.
- 1975 **FINEST MIXED COLORS**.

Any of the above (except Dainty Gem) Pkt. 10c.

A Favorite for Borders

- 1976 **RED RIDING HOOD**. 15 in. Compact, bushy little plants, bristling with miniature double flowers of deep scarlet. An effective border plant and one of the most popular Zinnias for cutting. 1/4 oz. 30c, pkt. 10c

Zinnia Linearis

- 1971 **LINEARIS**. 10 in. The flowers are 1 1/4 inches in diameter, with a single row of petals. Flowers open golden orange with each petal striped light green and changing to yellow as the flower develops. Early flowering, and if allowed plenty of space, plants spread over 2 square feet without growing taller than 10 inches. Pkt. 15c

Cupid Zinnias—1 ft.

- 1985 **CUPID MIXED**. Small button-like flowers on rounded plants of bushy habit. Ideal for cutting and for use in miniature vases. Colors include bright scarlet, yellow and white. . . . Pkt. 15c

Tom Thumb Zinnias

Grow Only Six Inches Tall!

- 1987 Tiny double flowers cover the compact plants all summer. Colors are red, orange, pink, yellow, white and pastel shades. For a low border, for potting or to use in low bowl arrangements, this little Zinnia is ideal. . . . Pkt. 15c

Use a **SOIL-SOAKER** to water your flowers. It soaks the soil without wetting the foliage. See page 37.



Permanent PASTURE & Meadow Mixtures

Recommended By Minn. Experiment Station

And How to Sow Them

PASTURE—A Leading War Time Money Maker

1. PASTURE supplies the best feed at lowest cost, with the least labor.
2. PASTURE produces milk and meat at lowest cost as animals gather their own feed and take advantage of sunshine and open air.
3. PASTURE yields greater net returns than other field crops, yet there's less risk from hail, lodging, plant diseases, etc.
4. PASTURE mixtures of legumes and grasses yield better than either seeded alone. They produce better stands and better variety of forage.
5. Uncle Sam offers to pay for nearly 75% of the seed you use in reseeding depleted pastures. Any of the Master Mixtures described on this page (except Annual Hog Pasture) can earn AAA payments of 25c per pound of seed sown. See your County Committee!

SETTING the GRAIN DRILL

for Mixtures Containing

BROME GRASS—CRESTED WHEAT GRASS—MEADOW FESCUE

Master Mixture C: Setting drill at 3 in pecks of wheat, sows 18 lbs. per acre. Setting drill at 4 (pecks wheat), sows 26 lbs. per acre.

Master Mixtures D and E: Setting drill at 3 (pecks wheat), sows 15 lbs. per acre. Setting drill at 4, sows 22 lbs. per acre.

HOW PASTURES PRODUCE THRUOUT SEASON

MIXTURE or SINGLE CROP	May	June	July	Aug.	Sept.	Oct.
Permanent Pasture: Ky. Bluegrass, White Clover						
Master Mixture A All Season Mixture for heavy soils						
Mix. C (Brome, Alfalfa etc.) " D (Brome, Crested Wheat etc.) " E (Brome, Meadow Fescue etc.)						
Reed Canary Grass on low land						
Winter Rye						
Oats or other small grain						
Sudan Grass						
Second-growth Alfalfa						
Master Mixture H Annual Hog Pasture						
Master Timothy & Alsike Mix. (20-25% Alsike) (30-35% Alsike)						

Master Mixture A

All Season Mixture for Heavy Soils

A profitable long rotation mixture suited for hay first year or two, then for pasture. After second year Bluegrass and White Clover predominate. Well adapted to heavy, productive soils. Does well in Southeastern, East Central, and Northeastern sections of Minnesota and similar regions. Sow 15 to 18 lbs. per acre.

Approximate contents:

Timothy43% Alsike Clover....14%
Ky. Bluegrass... 7% White Clover.... 7%
Med. Red Clover.29%

See Blue Figure Price List.

Master Mixture D

Brome—Crested Wheat—etc.

An ideal long rotation mixture on lighter, sandier soils. Does well under drought conditions or where there's low rainfall. Brome, Crested Wheat and Alfalfa predominate after first year. Adapted to Southwestern, West Central and Northwestern sections of Minnesota and similar regions. Sow 18 to 20 lbs. per acre.

Approximate contents:

Brome Grass....32% Alfalfa26%
Crested Wheat Sweet Clover....21%
Grass21%

See Blue Figure Price List.

Master Mixture H

Annual Hog Pasture

A most profitable combination to produce pork rapidly and at lowest cost. Since the pigs do the harvesting, it is more economical than corn or grain. Little corn is then needed to finish them off. One acre enough for 20 spring pigs or 20 older hogs. Well adapted to all regions. Sow 60 to 75 lbs. per acre.

Approximate contents:

Barley20% Sweet Clover.... 5%
Oats38% Vetch 5%
Spring Wheat... 5% Fodder Cane.... 5%
Soy Beans..... 5% Sudan Grass.... 7%
Rape10%

See Blue Figure Price List.

Master Mixture C

Brome—Alfalfa—etc. Mixture

A long rotation mixture in which Brome Grass and Alfalfa will predominate after first year. Very close grazing should be avoided so as not to kill Alfalfa. Adapted to Southwestern, West Central and South Central sections of Minnesota and similar regions. Sow 18 to 20 lbs. per acre.

Approximate contents:

Brome Grass....35% Alfalfa29%
Timothy12% Sweet Clover....24%

See Blue Figure Price List.

Master Mixture E

Brome—Meadow Fescue—etc.

A very fine long rotation combination that may be used for hay for one or two years and then pastured. Especially adapted to the Red River Valley and Northwestern sections of Minnesota and similar regions. Sow 18 to 20 lbs. per acre.

Approximate contents:

Brome Grass....26% Alfalfa27%
Meadow Fescue..26% Sweet Clover....21%

See Blue Figure Price List.

Timothy Alsike Mixture

Permanent, Productive, Profitable

A popular, inexpensive, short rotation mixture that performs well on either low acid soils, or on sandy soils. This mixture produces better than either crop seeded alone. Well adapted in most all sections. Sow 12 lbs. per acre.

Offered in two grades:

Rich grade contains Standard grade con-
30-35% Alsike. tains 20-25% Al-
sike.

See Blue Figure Price List.

HARDY GRASSES and How to Sow Them



Brome Grass brings you 25c per lb. of seed sown, in AAA payments (see below). Makes a good hay crop or pasture. Valuable on hillsides, ditches or banks to prevent soil washing.

Brome Grass *Bromus Inermis*

Becoming important as a hardy hay and pasture grass and in combination with other grasses. Also called Smooth Brome Grass.

This vigorous, hardy perennial with strong, creeping roots, makes excellent hay and pasture on poor, dry soil or on moist, low ground that is flooded at times. Valuable on hillsides and terraces to keep soil from washing away. It starts early, two or three weeks before other grasses, remains green until November, and stands close cropping.

It grows two to three feet high, yielding two to four tons of palatable hay per acre. Cut for hay when in full bloom. Also a profitable seed crop.

Seeding with a grain drill is best as seed should be covered. Sow 18 to 20 lbs. per acre in rows six inches apart and $\frac{1}{2}$ to 1 inch deep. To sow 18 lbs. per acre, set drill at "12" (in pecks of wheat), and for 20 lbs., at "12 $\frac{1}{2}$." Extra help is needed to keep seed moving freely through the drill. Price: 5 lbs. \$1.80, postpaid. For larger quantities see Blue Figure Price List.

Crested Wheat Grass

The Ideal Dry Land Pasture Grass

This hardy drought-resistant perennial bunch grass has a longer productive period than Slender Wheat Grass or Bromus Inermis. Minnesota Experiment Station trials proved Crested Wheat and Brome the two most drought-resistant grasses, and Alfalfa the most drought-resistant legume.

Its extensive root system permits an early and rapid growth. It becomes dormant during extremely hot, dry periods, but resumes growth in early fall, continuing very late. It grows at low temperatures and utilizes the soil moisture to check other grasses and weeds where moisture is limited. In semi-arid regions—Kansas, Nebraska, Montana, Wyoming and the Dakotas, this grass does best although it thrives anywhere. After hard use as sheep pasture, it comes right up again. Crested Wheat Grass produces 400 lbs. of seed per acre under dry conditions on two-year-old fields. Seed is in good demand.

It's Easy to Seed Crested Wheat

Seeding with a grain drill is best as seed should be covered. Sow 10 to 12 lbs. per acre in rows six inches apart, and $\frac{1}{2}$ to $\frac{3}{4}$ inch deep. To sow 10 lbs. per acre, set drill at "2" (in pecks of wheat), and for 12 lbs., set at "2 $\frac{1}{4}$." Well cleaned, heavy seed such as we offer, moves freely through the drill.

PLENTY OF LEAFY FOLIAGE

"I wish to report that I had a wonderful stand of Master Ideal Hybrid Silo Corn bought from you last year. The plants averaged nine feet in height and each one carried a large ear and plenty of leafy foliage. Please let me know if I can get 2 $\frac{1}{2}$ bushels of Master Ideal Hybrid Silo Corn. Notify me at once."

Charles Albrecht, Slinger, Wis.

REED CANARY

(Phalaris)

This Peat and Swamp Land Wonder Grass has reclaimed many worthless swamps and is making real profits for hundreds of farmers. It does well in boggy soils, swamps and marshes.

Four to Six Tons of Hay Per Acre

The hay (of high feeding value) is relished by all livestock. One acre will pasture three to four dairy cows from early spring until fall. Close grazing is best, except in fall. For hay, cut when heads first appear. Then feeding value is highest.

This hardy perennial grass will thrive until broken up, and can be easily controlled by plowing. Seedlings and plants are cold resistant. Heads appear early in June and ripen four weeks later. Plants grow four to six feet high with broad, light green leaves. Underground stems rapidly form a tough sod that holds up hay-making machinery.

How To Grow the Crop

Prepare a good seed bed. Fall plowing allows early spring seeding. The seed will germinate in water, but if covered by soil underneath the water, it will not grow until the water is drained off.

Rate of Seeding

Broadcast 6 to 7 lbs. per acre; drilled, 2 to 3 lbs. per acre in 16 to 18-inch rows. Use a packer on peat after seeding.

Sow early in spring so seedlings become established before weeds start. On weedy



After Harvesting Reed Canary Seed, a Hay Crop Can Be Cut Immediately.

land, seed late in June or early July, discing up to this time, to kill weeds. If difficult to get on land in spring, seed in August or October.

5 Lbs. \$2.60 Postpaid. Quantity Prices on Blue Figure List.

Kentucky Blue Grass

This famous grass does well almost everywhere on soil that is fairly rich, moist and moderately well drained. Blue Grass is the best of all grasses for lawns. Price: 5 lbs. \$2.60, postpaid. See Blue Figure Price List.

Meadow Fescue

This hardy western grass stands more abuse than Timothy and other grasses and will stand close cropping, drought and unfavorable soil conditions. Meadow Fescue grows two to three feet high and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: 5 lbs. \$2.50, postpaid. See Blue Figure Price List.

Timothy

A hardy perennial resistant to both cold and drought—it is best adapted for sowing with Clovers which supply nitrogen to the soil and increase the vigor of the Timothy. It may also be sown with grains as a nurse crop. The soil must be well pulverized and the seed slightly covered. Do not cut too early or pasture too late in the fall after the hay is cut. Timothy produces 1 $\frac{1}{2}$ to 3 tons of hay per acre and should be cut at flowering time. Sow 15 to 20 pounds per acre alone; with Clover, 10 to 12 pounds per acre. See Blue Figure Price List.

Red Top

A hardy perennial grass found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 feet high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. Grows best with other grasses and clover. Price: 5 lbs. \$1.85, postpaid.

For larger quantities see Blue Figure Price List.

Domestic Rye Grass

This grass is well adapted for pastures, meadows and lawn, as it endures close cropping and makes a dense, leafy undergrowth. It thrives almost everywhere but grows best in moist moderately rich soil. Sow 20 to 30 pounds per acre. Price: 5 lbs. \$1.50, postpaid. For larger quantities see Blue Figure Price List.

Uncle Sam Will Pay Nearly 75% of Your Seed Bill!

For seeding depleted pasture lands (designated as non-crop open pasture), with grasses on this page and legumes on pages 62, 63, 64, Minnesota farmers can earn AAA payments as follows:

BROME GRASS.....	Earns
CRESTED WHEAT GRASS.....	AAA Payment
REED CANARY GRASS.....	of 25c per pound
KENTUCKY BLUE GRASS.....	of Seed Sown
MEADOW FESCUE.....	
ALFALFA.....	Earns
RED CLOVER.....	AAA Payment
ALSIKE CLOVER.....	of 25c per pound
	of Seed Sown
TIMOTHY.....	Earns
RED TOP.....	AAA Payment
SWEET CLOVER.....	of 10c per pound
	of Seed Sown

HARDY NORTHERN GROWN ALFALFA SEED



LOOK FOR THIS TAG
ON EVERY BAG—IT'S
YOUR PROTECTION

We emphasize the importance of knowing where your Alfalfa and other Grass Seeds were grown. Cheaper, unadapted seeds should be avoided because they are more expensive in the long run, and not sufficiently hardy to withstand our northern winters.

Alfalfa Seed obtained from growers or shippers should be identified by the verified origin tags—this is your protection against mixtures, blends and unadapted seed.

As Verified Origin Seedsmen, any Alfalfas that we send you will be sealed and tagged, either with U. S. Verified Origin Certificates, or with certificate seal from the state in which it is grown.

GRIMM ALFALFA

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. It is a very hardy, time-tried variety, and has been tested thoroughly throughout the United States, in many foreign countries and Canada. It has many lateral or branching roots which are not found in common Alfalfas, and has large spreading crowns. It appears to grow better where there is a hardpan sub-soil to contend with than many other varieties. The root system undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than varieties having only a single taproot. The blossoms are variegated from white and yellow to deep purple.

Grimm Alfalfa produced in Minnesota, the Dakotas, Montana and Idaho, is known to be very hardy. Our Minnesota Grimm is produced largely in Lake of the Woods County, near the Canadian Border. Montana or Idaho Grimm is grown in the dry-land areas and is able to withstand severe drought as well as cold. Therefore, the strains of the Grimm Alfalfa that we offer, will give you complete satisfaction. See Blue Figure Price List.

Common Alfalfa DAKOTA NO. 12

The old dependable strain
Minnesota-Dakota-Montana grown.

This is the most commonly grown variety in Minn., Dakota and Montana. It has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa many years and the plants which endure the extremes of hot summers, severe winters and dry, high altitudes are thoroughly hardy. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. The performance of this variety has made it extremely popular in southern Minnesota, Iowa, Illinois, and other states in the Mid-west and East. See Blue Figure Price List.



Urgent Need for More Alfalfa & Clover Acreage!

The Bureau of Agricultural Economics reports Alfalfa acreage reduced by 1,000,000 acres due to winter-killing! Heavy losses occurred in Minnesota and other Northwest states during the winter of '43 and '44. War Food Administration requests a 44% increase in Alfalfa and Clover acreage for 1945. This legume acreage is vital to our dairy and livestock program. Legumes for hay and pasture are most important because of greater wartime need for dairy, meat and other livestock products. Corn Belt lands have been heavily cropped with soil-depleting crops such as soy beans and corn. Fertility must be re-built with legumes. There will be heavy demands on the short seed supplies, so order early!

About Hard Seeds:

Hard seeds are live seeds which are slow to absorb moisture and do not sprout within five or six days in a laboratory. There is not much delay in germination of hard alfalfa seeds. After sowing in spring, some germinate in two weeks—others in four, six, or more weeks. Usually all will sprout long before growing season ends. Up to 50% of seeds may be hard without reducing final stand of spring or early summer sown alfalfa, provided over 12 lbs. per acre are seeded. In fact, if properly seeded (not too deep), moderate delays in germination may thicken the stand by the end of season, especially if losses occurred earlier from frost, drought, insects, or other hazards. Thus hard alfalfa seeds have an insurance value, and should not be scarified.

VARIEGATED ALFALFA From Old Time Unregistered Northern Fields

Equal to Registered strains for hardiness and hay production, and offered at a great saving in price.

Variegated Alfalfa is of a well known type with blossoms having a color range of white, yellow and purple. It is highly recommended but no definite records have been kept, and the fields therefore cannot qualify for registration. It has shown itself to be completely hardy in the most severe climates of Minnesota, Dakota and Montana, and can be recommended as being very desirable for seeding in any part of the northern United States, where winter hardiness is essential. See Blue Figure Price List.

COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, under observance for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy.

In recent years, the demand for Cossack has been increasing and there never has been sufficient seed to take care of all requirements.

Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm.

Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. We advise sowing 15 lbs. per acre. See Blue Figure Price List.

LADAK ALFALFA—Wilt and Drought Resistant

Introduced in the U. S. in 1910 from the mountain regions of northern India by the U. S. Department of Agriculture. It was planted at Havre, Montana, in 1916 and showed no winterkilling for more than ten years. When it was distributed in small quantities, Ladak immediately proved so outstanding that its rapid distribution was assured. Other varieties of Alfalfa could not compete with it for winter hardiness.

Ladak is highly resistant to the wilt disease which has been causing such great losses in the hay-producing sections. It produces a larger first cutting than any other Alfalfa and this means a larger tonnage per acre under all conditions.

It is particularly well adapted to regions where only one or two crops are produced each year because of short growing seasons or where hot, dry summers prevail. Ladak continues to grow and produces a good crop of hay when other varieties are practically at a standstill. The hay is very leafy and of high feeding value and is of exceptionally high quality.

Ladak has a large branching root system similar to that of Grimm or Cossack. Seed supply very limited.

See Blue Figure Price List. Write for special free circular on Ladak Alfalfa.



AAA Payments for 1945!

War still dominates the farm outlook for 1945. All farm production must help win victory, yet your basic resource, the soil, must be safeguarded. The County Committee, (with approval of State Committee), designates those practices which will be approved for payment in the county, so that the soil-building allowance will be used most effectively to bring about increased production, and the soil-building practices most needed. The following payments apply to Minnesota farms. Similar opportunities offered farmers in other states. See your County Committee or County Agent for details.



You, too, can earn this extra cash:

- (1) For seeding depleted pasture lands (designated as non-crop open pasture) with seedings consisting solely of, or a mixture of these crops:

TIMOTHY	RED TOP	SWEET CLOVER
---------	---------	--------------

 The Government Pays You 10c Per Pound of Seed Sown!
- (2) For seeding same type of land with seedings of these grasses described on page 61:

BROME GRASS	KENTUCKY BLUE GRASS
CRESTED WHEAT GRASS	MEADOW FESCUE
RED CANARY GRASS	

 Or these legumes:

ALFALFA	RED CLOVER	ALSIKE CLOVER
---------	------------	---------------

 Or these pasture mixtures described on page 61:

TIMOTHY & ALSIKE MIXTURE	
MASTER MIXTURES A, B, C, D, E, & F.	

 (All described on page 60.)
 The Government Pays You 25c Per Pound of Seed Sown!
- (3) For discing and plowing under a good stand and a good growth of these green manure crops:

SWEET CLOVER	ALSIKE CLOVER	RED CLOVER
--------------	---------------	------------

 (which were seeded in 1944)
 or BUCKWHEAT
 The Government Pays You \$1.50 Per Acre!
- (4) For harvesting for seed, an acreage, (limit 25 acres per farm) of:

ALFALFA	SWEET CLOVER
RED CLOVER	RED CANARY GRASS
ALSIKE CLOVER	BROME GRASS
WHITE CLOVER	CRESTED WHEAT GRASS

 The Government Pays You \$3.50 Per Acre!
 In many cases these generous AAA Payments will cover 75% or more of your seed cost or a large part of combine harvesting cost. (See Blue Figure Price List in front of catalog.)

MINNESOTA GROWN CLOVER SEED

Only Northern Grown Clovers
can be depended on for Hardiness

There is much complaint of worn-out soils, weeds and unprofitable crops coming from those who once secured bountiful yields and satisfactory profits when the land was new. Those who have used Clover regularly in the cropping system have no such complaints. Some kind of Clovers may be grown in practically every part of the United States. They have beneficial action on the soil and may be seeded with practically all kinds of grains. Clovers also serve as outstanding hay and pasture crops.

MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase the yield of succeeding crops, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general northwest conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills and cover it lightly with a harrow. See Blue Figure Price List.

MMOTH RED CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fail. Yields again as much as Medium Red Clover, though the hay is rather coarse.

See Blue Figure Price List for Quotations on All Farm Seeds.

WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: 1/2 lb. 65c, 1 lb. \$1.20, 5 lbs. \$5.50, prepaid. See Blue Figure Price List.

Clovers are an important factor in soil renovation through maintaining or increasing in the soil the supply of vegetable matter and the supply of nitrogen.

Clovers have a heavier root system that leaves vegetable matter and fertility in the soil when it dies or when plowed under. Clover should be cut for hay as soon as the first blossoms begin to turn brown. This will result in the greatest yield of palatable hay.

ALSIKE CLOVER

Alsiike Clover has the same soil-building properties as Red Clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

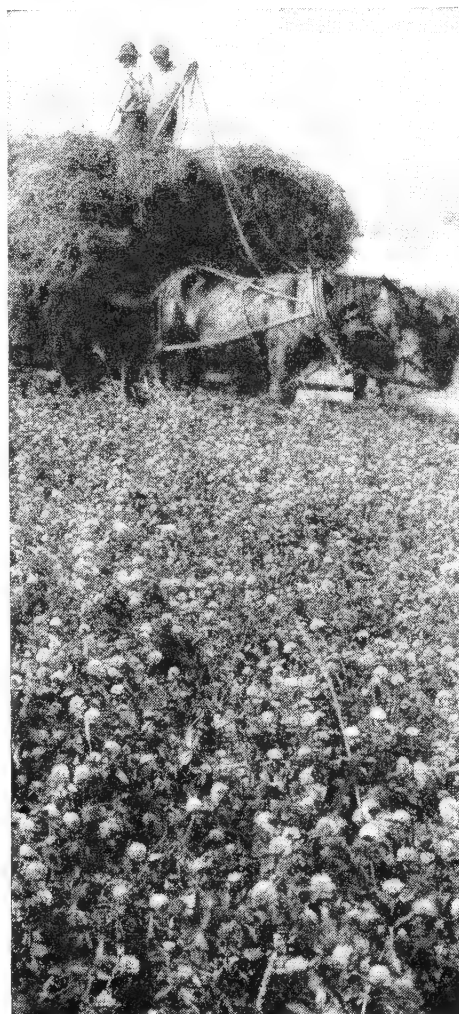
Alsiike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It makes fine pasture, as it is extremely hardy.

The seed of Alsiike is very fine, therefore, only 7 or 8 pounds per acre are required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

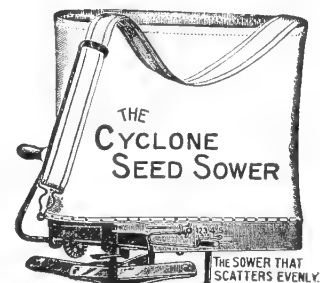
Alsiike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. See Blue Figure Price List.

It Pays Big Dividends to
Inoculate All Clover Seed
with Nitragin (See Page 64)



Your Money Can Buy No Finer Seed Than
Master Farmer Red Clover.

Cyclone
Hand
Seeder
only
\$2.75
POSTPAID



This simple, light, strong, hand seeder sows timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even, in any quantity, from one quart to three bushels per acre. Canvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.55, not prepaid.

**Enrich Your Land
Make Cheap Hay**

Plant Sweet Clover

**Get AAA
Payments**
(See Page 63)



Biennial Sweet Clover

Because white and yellow blossom Sweet Clover Seed has become so mixed in seed production areas, it is impossible to offer straight White Blossom or pure Yellow Blossom Sweet Clover Seed and still meet requirements of the Federal Seed Act.

Therefore, all sweet clover will be sold merely as Biennial Sweet Clover. However, in ordering, if you will state your preference of either White or Yellow, we will do our best to select lots which will come as close to your preference as possible. In other words, if you prefer White Blossom, the seed will probably be from 50% to 75% White, and the balance Yellow Blossom.

Characteristics of Biennial Types

Tall White Blossom: Tall growing and productive. Has a two weeks' longer pasture season than yellow blossom.

Yellow Blossom: A more prostrate, lower growing type, about two weeks earlier than white blossom and adapted to drier areas.

Hubam, or Annual Sweet Clover

An annual, white, resembling the biennial white in appearance, but making no resting buds, and producing seed the season of sowing. When a catch crop is wanted, especially when the field is to be Fall plowed, it is useful.

See Blue Figure Price List

Inoculate Sweet Clover Seed
with Nitragin.

YOU'VE READ ABOUT IT IN MAGAZINES— HERE IT IS!

WEEDONE

A Knockout for Weeds!

(See "Country Gentleman" for Jan.; "Better Homes & Gardens" for Feb.)

Bindweed, poison ivy, Canada thistle, and many other field pests can now be cheaply and easily destroyed with this amazing new discovery that does not sterilize soil! Yet this potent new weapon completely destroys the most stubborn weeds—down to the very root tips! America's worst weed, the bindweed, has been killed, branch and root, with a single application, at only a fraction of the cost and effort previously required.

Ragweed, nettle, sheep sorrel, cocklebur, leafy spurge, lamb's-quarters, yarrow, poison oak, wild mustard, and even wild garlic have been readily killed.

Dandelion and plantain can be destroyed without killing lawn grasses, although temporary grass damage may result.

The fantastic thing about this miracle chemical, is its potent weed killing power—even when diluted with 100 parts water! A small quantity per acre means sure death to weeds, yet causes only minor damage to other plants.

For a complete kill, one part WEEDONE mixed with 60 parts water and sprayed on leaves, kills weeds quickly down to root tips. Just mix WEEDONE with water and apply with compressed air sprayer (the type used for insecticides). On small patches, use one gallon of spray (only 2 oz. of WEEDONE) per 100 square feet. \$10 to \$15 worth of Weedone PER ACRE will eradicate an average infestation of bindweed.

WEEDONE does not sterilize soil, does not corrode metals or spray equipment, does not leave a residue on plants that is dangerous to livestock or pets, does not irritate the skin, is not explosive. Easier to use, safer, quicker and less expensive than any other method.

PRICES ON WEEDONE:

6 oz. bottle, postpaid.....\$1.10
(Makes 3 gallons spray)
Quart bottle, postpaid.....\$4.15
(Makes 15 gallons spray)
1 gallon, by exp., not ppd...\$12.00
(Makes 60 gallons spray)
5 gallons, at \$11 per gal. Not ppd.
(Makes 300 gallons spray)

Legume crops such as Sweet Clover will be in greater demand than ever before because of increased plantings for the maintenance of fertility under the U. S. Soil Conservation Program. Sweet Clover cannot be surpassed for soil improvement due to its rapidity of growth, large tonnage produced and its comparatively low seed cost.

Sweet Clover as a Hay or Pasture Crop

Sweet Clover is a leading crop in the United States. As a biennial legume, it fits in with any crop rotation, besides yielding a very large return of hay and pasture. Sweet Clover may grow one to three feet the first season and may be clipped for hay or pastured lightly if it makes a good growth. During the second year it grows very dense and rapidly and if cut for hay, it should be done early in the season, before the blossoms appear and the stems become woody.

Cut Sweet Clover six to eight inches above the ground. Allow the hay to wilt a few hours, then place in small cocks until it is dry enough to stack. One acre furnishes pasture for two to four cows throughout the season. Cattle rarely bloat on it.

As a Soil Builder and Weed Control

Sweet Clover grows on clay, sandy, alkaline, or gumbo soil. It prevents drifting of shifting sandy soils. The hardpan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc.

Use 15 lbs. of scarified seed per acre with a nurse crop of one-half the usual seeding of grain or 28 to 35 lbs. of flax per acre. Firm the seed bed well after planting. Inoculate with Nitragin.

APPROX. 70,000,000 LBS. OF AIR-NITROGEN
ABOVE EVERY ACRE. THIS IS AVAILABLE
FREE FOR SOIL AND CROP IMPROVEMENT IF YOU
**CONVERT LEGUME SEEDS
INTO FERTILIZER PLANTS**

Inoculating with
NITRAGIN 1898

ALFALFA
RED CLOVER
SWT. CLOVER
COWPEAS
PEAS
VETCH
A. W. PEAS
SOYBEANS
LESPEDEZA
PEANUTS
BEANS
ALL LEGUMES

BUILD UP YOUR SOIL Inoculate Your Legumes With NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

1945 NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA
Sweet, Bur, Hubam Clovers
Size Retail
1 bu. ea.\$.50
2 1/2 bu. ea. 1.00

CLOVERS
Medium & Mammoth
Red, Alsike, Crimson &
White Clovers

1 bu. ea.\$.50
2 1/2 bu. ea. 1.00

PEAS (All Varieties)
VETCHES (All Varieties)
100 lb. size (Inoculates up
to 100 lbs.) ea.\$.50
1200 lb. size ea. 5.70
(12-100 lb. size cans)

**BEANS—Navy, Pinto, Wax,
String, Kidney, Gr. Northern**
1 bu. ea.\$.35

LESPEDEZA Hulled or Unhulled
100 lb. size (Inoculates up
to 100 lbs. seed)\$.50

**PEANUTS, LIMA BEANS,
COW PEAS**

Size Retail
Small (Inoculates up to
120 lbs. seed)\$.30
5 bu. ea.55
25 bu. (one can) ea. 2.50
30 bu. (one ctn.) ea. 3.25
(Contains 6-5 bu. cans)

SOYBEANS (All Varieties)
Small (Inoculates up to
120 lbs. seed)\$.30
5 bu. ea.55
25 bu. (one can) ea. 2.50
30 bu. (one ctn.) ea. 3.25
(Contains 6-5 bu. cans)

LUPINES (All Varieties)
100 lb. size (Inoculates up
to 100 lbs. seed) ea. \$.50

GARDEN SIZE
Garden Peas and Beans
Sweet Peas, Lupines and
Edible Soybeans
Enough for 8 lbs. seed
Retail Price 10c each.

NITRAGIN—Oldest and Most Widely Used Inoculator in America

ARE YOU PREPARED FOR INCOME TAXES?



A simplified Record Book for keeping farm accounts and records necessary for income tax returns. It is the simplest and most complete book obtainable. Complete tax record system—

64 pages. With illustrated forms, prepaid for 25c.

NEW HOME THERMOMETER

A dependable thermometer for indoor or outdoor use. Easy to read. Important to health and comfort. Over-all size 8 1/2 x 2 1/4 inches wide. Be your own Weather Bureau for the duration. Snow-white color, blue lettering. Only 30c each, postpaid.

NEW & BETTER SEED GRAINS for the NORTH

Oats for the North

VICLAND OATS

Originated from a cross between Victoria and Richland and one of 33 strains from the Victoria x Richland cross, sent to the Wisconsin Experiment Station in 1935, that had been selected at the Aberdeen Substation, Aberdeen, Idaho in 1934. Selection No. 5545-16 was named Vicland in 1940 by the Wisconsin Agricultural Experiment Station.

Vicland is an early-maturing, open-panicked, yellow-grained oat with high weight per bushel. It has short straw, and is as resistant to lodging, or more so than Gopher.

It is resistant to the now prevalent races of stem and crown rusts and the smuts occurring in the North Central States. Vicland has out-yielded other varieties by approximately 20%, on the average, and appears to have wide adaptation.

Recommended by Minnesota Experiment Station. See Blue Figure Price List.

TAMA OATS

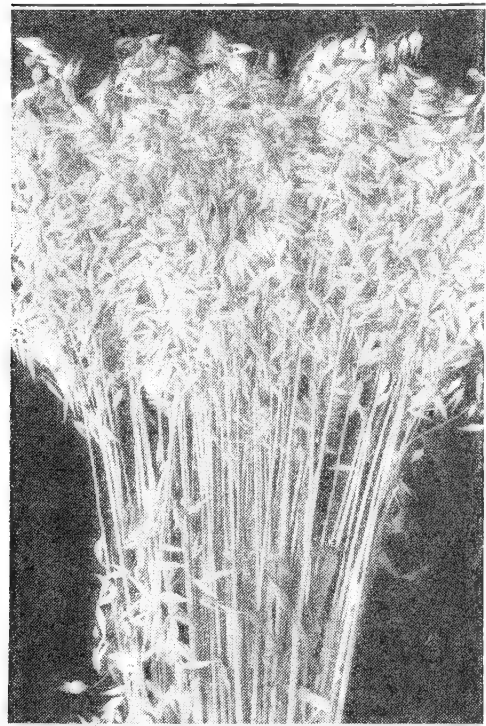
Tama Oats is a result of a Victoria-Richland cross by U. S. Dept. of Agriculture. Developed cooperatively by the Iowa Experiment Station and the U. S. Dept. of Agriculture.

An early yellow grained oat with short stiff straw and high weight per bushel.

Superior characters are early maturity, high yield, and satisfactory resistance to nearly all races of crown rust, stem rust, and the smuts of oats. Victoria parent provides resistance to 47 of the 51 races of crown rust known to occur in North America. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

HARVEST VICLAND & TAMA WHEN RIPE!

Many farmers experienced difficulty in storing their crops of Vicland and Tama Oats, due to cutting it too early. These varieties should become fully ripe before harvesting. In past years, it has been the general practice with older varieties, to harvest oats "on the green side." But, in many cases, the 1944 crop of Vicland and Tama Oats tested low in germination due to "heating" in the bin. As a result considerable oats now being offered for seed is musty and of unsatisfactory germination. Insist on our fully-ripe, high test seed stocks to insure a real oats crop in 1945.



Vicland Oats bring a premium on the market.

Spring Wheat

NEW REGENT WHEAT

Regent is a beardless, early maturing, high-yielding variety having very strong straw. It is the result of a H44 x Reward cross made at the Dominion Rust Laboratory at Winnipeg, Canada. It is resistant to stem and leaf rust and to bunt, moderately resistant to loose smut, but is susceptible to scab.

Regent has a higher test weight than Thatcher and appears about equal to it in milling and baking quality. Recommended for growing on heavy soils in western and northwestern Minnesota, and similar territories. Registered by American Society of Agronomy. Recommended by Minnesota Experiment Station. See Blue Figure Price List.

NEW RIVAL WHEAT

Rival is the result of a Ceres x (Hope-Florence) cross made at the North Dakota Station. It's a bearded, mid-season, high-yielding, hard, red spring wheat. Plant is mid-tall and kernels are quite large. It is moderately resistant to stem and leaf rust. It is resistant to bunt and loose smut, moderately susceptible to scab, and susceptible to black chaff. Rival has a higher bushel weight than Thatcher and appears equal in milling and baking quality.

Rival is recommended for southern Minnesota largely because it is less susceptible to scab than other varieties. Approved for registration by American Society of Agronomy. Recommended by Northwest and Minnesota Crop Improvement Associations, and Minnesota Experiment Station. See Blue Figure Price List.

Best Winter Wheat

New MARMIN Winter WHEAT

A bearded winter wheat similar to Minturki in yielding ability, winter hardiness, disease resistance and time of maturity. It has higher bushel weight, harder texture, and produces whiter flour than Minturki. Because of this better milling quality and higher bushel weight, Marmin will probably grade higher on the market. A Minturki and Marquis cross. Recommended by Minnesota Experiment Station. Write for prices in August.

MINTURKI WINTER WHEAT

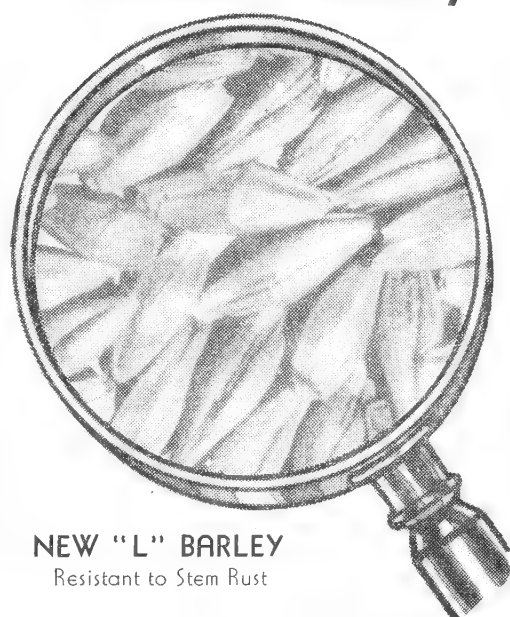
A bearded, white chaffed, stiff strawed variety of the Turkey type. It is early-maturing; yields well, is somewhat resistant to stem rust, and moderately resistant to bunt, loose smut, and fusarium head blight, but is moderately susceptible to leaf rust. It is a very hardy winter variety. A cross of Turkey and Odessa. Recommended by Minnesota Experiment Station. Write for prices in August.

Winter Rye

New Imperial Wisconsin No. 6

This new hardy, high yielding Winter Rye was developed by selection at the Wisconsin Experiment Station, (Wis. Ped. No. 6). It differs from the older pedigree strains in being pure for colorless seed and is often called "white rye." The five-year average yield for this excellent variety at the Waseca Experiment Station is 47 bu. per acre—a most outstanding record of performance. It is well adapted for all regions of Minnesota and the Northwest and has been so superior in performance that it has been placed on the recommended list by the Minnesota Experiment Station. Write for prices in August.

The Newest in Barley



NEW "L" BARLEY

Resistant to Stem Rust

New "L" or Kindred Barley was discovered as a single plant in a field of Wis. 37 Barley near Kindred, North Dakota. This entire field of barley was being plowed under because of a poor crop due to severe stem-rust damage, when this single plant, entirely free from rust, was noticed. Seed was saved and increased until it is now available to Northwest farmers.

It matures 3 days earlier than Wisconsin 38 Barley, and produced 16 bu. per acre MORE YIELD than Wisconsin 38 in Minnesota Experiment Station Tests! "L" Barley is a 6-rowed, rough awned variety of white aleurone. It's very high in yield, with good test weight and satisfactory malting quality. It has high resistance to stem rust, but only moderate resistance to lodging.

GET EXTRA PROFIT FROM GRAIN CROPS

Six to 18% bigger yields of grain crops obtained when seed wheat, oats, and barley were treated with Improved Ceresan!



Ceresan controls various smuts, bunts, root rots, and other diseases which are spreading at such an alarming rate, that they now cost Northwest farmers an annual loss running into millions of dollars!

Boost your yields,—improved stand and quality by this simple dust treatment which costs but a few cents an acre (2½ cents to treat a bushel of seed grain or flax).

It's easy to apply with a homemade treater or by the simple shovel method. Measuring spoon included in each can. Improved Ceresan is a dry powder—no wet and swollen grain to handle—does not affect planting rate or cause trouble in the drill. Can be applied to well-cured seed 6 months before planting if desired.

½ Ounce Treats One Bushel of Grains, Millets and Flax.

IMPROVED CERESAN PRICES:

Prepaid		Not Prepaid	
4-oz. Can	30c	4-lb Can	\$2.70
(Treats 8 Bu.)		(Treats 128 Bu.)	
1-lb. Can	85c	8-lb. Can	5.40
(Treats 32 Bu.)		(Treats 256 Bu.)	



WANTED: More Flax!

A Vital War & Post-War Crop!

The War Food Administration requests 58% INCREASE in Flax production for 1945. Minnesota goal: 1,550,000 acres! To achieve this goal, necessary steps must be taken by the Government to bring the price of flax in excess of 3 times the price of wheat, and 4 times the price of corn! Crop insurance is also recommended. Total

goal for the Northwest states for 1945 is 6,000,000 acres and 60,000,000 bushels.

Flax is very short at present, and crushers will be forced to shut down by late winter or spring due to lack of supplies. Flax is a vital war crop, linseed oil being essential in production of tanks, planes, battleships, and guns. Paint, varnish, and linoleum industries will require a huge peacetime flax seed production. The Federal Home Loan Bank estimates

1,000,000 new homes must be built each year after the war. There will also be tremendous farm and industrial construction and paint is essential to protect most all construction work, new or old. Of all crops, flax has the brightest postwar outlook.

FLAX SEED (RUST & WILT RESISTANT)

To obtain large crops, sow early right after grains are planted. The earlier that Flax is sown, the better able the plant will be to withstand wilt and other diseases. Treat seed with Ceresan—Page 65.

Sow Flax at the rate of 28 to 42 lbs. per acre, depending upon the size of the seed and the condition of the land. Sow smaller seeded varieties such as Redwing, 28 to 35 lbs. per acre, or slightly more if the land is somewhat weedy, Bison at about 35 to 42 lbs. per acre.

REDWING FLAX—Redwing is early in maturity, high in yield, moderately resistant to wilt, and moderately susceptible to rust. Seed is medium sized, and the oil produced is of very high quality. Developed and recommended by Minnesota's Experiment Station. Well adapted in Southern and Central Minnesota but not in the Red River Valley. See Blue Figure Price List.

BIWING FLAX—Biwing combines the high oil content of Bison, with the high oil quality of Redwing. It is slightly later than Redwing, resistant to wilt, less susceptible to rust than Bison. The seeds are medium large. Biwing is best adapted to Southern and Central Minnesota, but superior to Redwing for Northern Minnesota. It is a selection from the cross of Bison and Redwing made at the Minnesota Experiment Station and recommended by them. See Blue Figure Price List.

NEW KOTO FLAX

A new, high-yielding variety, mid-late in maturity, and resistant to wilt. Distinguished from Redwing and Biwing by its dark-blue flowers. Seed size, oil content and quality are very similar to Biwing. Koto is not pure for resistance to rust but has not been injured appreciably under the rust conditions that damaged Bison severely the past two years. A selection from a cross of (Russian X Argentine) X Bison, at the Mandan, North Dakota Station. While not tested extensively in southern Minnesota, Koto appears well adapted to all sections of the state, and similar territories. See Blue Figure Price List.

Ideal Flax Combination Crops

Legume—Grass—Flax Combination

As a nurse crop for Alfalfa, Clovers or Grasses, Flax has no equal, because it does not heavily shade the young forage plants and its sturdy stubble affords winter protection. The flax plants' open habit of growth and the presence of legumes and grasses in combination also aid in controlling weeds.

We recommend seeding a normal rate of Alfalfa, Red and Alsike Clover, Sweet Clover, Timothy, or other grasses with approximately one-half a normal seeding of flax per acre, or 14 to 20 lbs., so that the clover and grasses would not be smothered and a good stand secured.

A Clover or Grass Seed attachment to the grain drill may be used, sowing the seed ahead of the drill and covering it lightly with a harrow.

Wheat—Flax Combination

A combination of 15 to 20 lbs. of Flax and 45 lbs. of Seed Wheat per acre sown at the usual wheat seeding time has an advantage over flax alone, particularly in the control of such weeds as lamb's quarters and wild buckwheat. This early seeding which gives the wheat the best chance for development, provides the best conditions for the growth of the flax also.

Yields of 10 bushels of flax and 15 to 20 bushels of wheat are not uncommon, with a combined seeding. When threshed, they are easily separated with an ordinary fanning mill and can be sold at highest market value because the quality of the grain is usually very good. There is less danger of damage to either crop from disease or lodging when grown in combination.

RAPE FOR QUICK PASTURE

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant.

One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt.

Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

DWARF ESSEX RAPE—The commonly grown type that has produced the finest pastures for many years. See Blue Figure Price List.

Advantages in Sowing Rape

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, Sudan Grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.



3 to 4 tons of Sudan hay from one cutting.

SUDAN GRASS GROWS QUICKLY

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows.

DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME. Like corn, it is a warm weather crop.

In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

Produces Quality Hay

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Livestock of all kinds will eat the hay readily.

CULTURE—For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage will make a bright, leafy, sweet hay, of the very best quality.

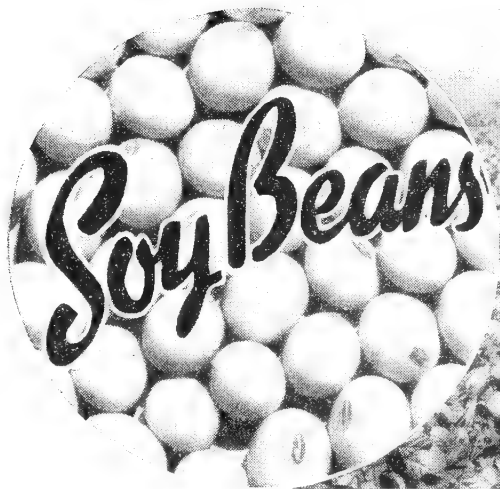
Plant Legumes with Sudan

Sudan Grass grown with legumes, such as soy beans, makes a well-balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate.

See Blue Figure Price List.

SUDAN GRASS CIRCULAR FREE



Early Minnesota Manchus—a most profitable crop for Minnesota farms.

SOY BEANS Still a Vital War Crop—

The War Food Administration requests a 1945 goal of 200,000 acres for Minnesota. As a source of oil, human food, as stock feed, as raw material for industrial products, as forage and green manure, the Soy Bean has become a basic product in our economy. The vital soy bean product is **OIL**. Vegetable oil for shortening, and margarine, oil for quick drying paints on battle-ships and planes, for soap, medicines, linoleum, printer's ink, glycerine, leather goods, etc.

The war has cut us off from our Far East sources of a billion pounds of fats and oils, and soy beans must meet this deficit. We now offer new improved varieties which will prove profitable.

Plant High Germinating Seed!

Recent University of Minnesota studies have shown that improper storage of soy beans causes "heating" and also injurious molds, which result in poor germination and weak seedlings. If beans have been stored when high in moisture, or where air is moist and circulation poor, the result is often "heating" of the beans, rendering them useless for seed.

In wartime, when every bushel of production is so important, don't take chances on seed. It's the foundation for your crop. Insist on the highest quality seed stocks obtainable and government recommended, early varieties, that are safe for your section. Early Minnesota Manchus, Habaros, and Richlands produce good stands, high yields and are suited to early combine harvesting in Minnesota. Our seed stocks have been carefully tested to insure low moisture content before storage. They are stored under ideal conditions and are then tested for high germination. There will be tremendous demand for these quality, tested seed stocks, so order early.

**Get More
SOY BEANS**
by inoculating
your seed with
NITRAGIN
every year—even
though planted on
fields that have
been inoculated
before!

**SOYBEAN
NITRAGIN
PRICES:**

2 bu. size. . \$0.30
5 bu. size. . .55

25 bu. size (1 can)
not ppd. . . \$2.50

30 bu. size (six 5 bu.
cans) not ppd. \$3.25



SOYBEAN root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, more soybeans, and richer soil.

How To Grow Good Crops of Soy Beans

CULTURE. Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right.

Inoculate seed with Nitragin (below) and plant as follows:

1. In ordinary 6 in. rows with a grain drill, using 90 to 120 lbs. of beans per acre.
2. In 12 in. rows, using a grain drill and plugging up every other drill, using 80 to 90 lbs. per acre.
3. In 21 in. rows, using a corn planter with a bean attachment, the planter being set at the regular distance of 42 in. and the rows straddled. Plant about 70 to 75 lbs. of beans per acre.

4. Soy Beans may also be planted in rows 30, 36 and 42 in. apart and cultivated. Plant 35 to 45 lbs. of beans per acre.
5. Soy Beans may also be broadcast, using about 90 to 120 lbs. per acre.

Soy Beans for Seed

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to livestock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

Soy Beans may be turned under in the fall, thereby enriching the soil and making it mellow and easily tillable.

The Most Profitable Varieties for the North

RICHLAND SOY BEANS

Developed by Purdue Experiment Station, and recommended by Minnesota's Station, for seed production in areas favorable to early maturity in Minnesota's Southern corn zone. Seed matures in about 110 days. For hay production, it does well in Central and Southern Central Zones. (See map, page 69.)

Very popular in Northern Iowa because of its early maturity, high yield, standing ability, and high oil content. It grows 28 to 35 inches high, stands up well for combine harvest. Seed is medium sized, straw yellow. Produced 26.8 bushels per acre at University Farm, St. Paul. Analysis: 41% Protein, 19.5% oil, Iodine number of oil: 131. See Blue Figure Price List.

HABARO

Developed from a selection by Minnesota's Experiment Station. Seed matures in about 105 days. Adapted for seed and hay production in Minnesota's Central, South Central, and Southern corn zones, and similar territories. (See map, page 69.) Habaro grows 28 to 35 inches high and resists lodging. Seeds are straw yellow, and larger than those of Manchu.

In 1943 Cooperative Uniform Tests, Habaro produced 31.2 bushels per acre at University Farm, St. Paul, and 33.4 bushels per acre at Waseca Branch Station. Analysis: 44.2% Protein, 18.6% oil, Iodine number of oil, 132. See Blue Figure Price List.

MANCHU, Early Minn.

Minnesota Manchu matures seed in about 110 days. Reaches a height of 30 to 35 inches. The seeds are of medium size, straw yellow with both black and brown hilums. Adapted for seed production in the Southern and South Central corn zones and similar territories. (See map page 69). The seed was obtained in 1925 from the U. S. Dept. of Agriculture. On the recommended list of Minnesota's Experiment Station and Crop Improvement Ass'n. See Blue Figure Price List.

MANDARIN—Wis. No. 507

Mandarin 507 is a selection from common Mandarin, made by Wisconsin's Experiment Station at Spooner. Ideal for seed production because of its upright growth, which varies from 25 to 40 inches, depending on time of planting, seasonal and soil conditions. Well adapted in the northern half of Central corn zone, and the south half of the North-central zone. (See map, page 69.)

Seed is pure yellow, of medium size. The plant is easily recognized by its light color due to short gray hairs on leaves. In 1943 Co-operative Uniform Tests, Mandarin 507 produced 26.2 bu. per acre at University Farm, St. Paul, and 28.8 bu. per acre at Waseca. Tests showed 18.3% oil, with Iodine number of oil: 131. See Blue Figure Price List.

MANDARIN

Dimmock Ottawa Strain

A new, improved selection of Mandarin, by Dominion Central Experimental Farm, Ottawa, Canada. Well adapted in the north half of the Central corn zone and the south half of the North-central zone. (See map, page 69.)

In 1943 Cooperative Uniform Tests, Dimmock Mandarin produced 25.1 bushels per acre at University Farm, St. Paul. Plants range from 27 to 33 inches high, with good standing ability. Flowers are purple. Pods are deep buff yellow, containing 2 to 4 buff yellow seeds. Tests show 44.1% Protein, 19.4% oil, with Iodine number of oil: 128. See Blue Figure Price List.

**EDIBLE
SOY BEANS**
Page 4

**SOY BEAN
FOOD PRODUCTS**
Page 77

MASTER HYBRIDS for 1945

Master Hybrids, developed by our Plant Breeding Dept., are bred, produced, tested and grown in Minnesota to make sure they are adapted to the North. Furthermore, Northern inbreds (such as Haney's Minn. 13, Golden King, Reid's Yellow Dent, and Minnesota Ideal inbreds) combined with the best adapted inbreds from Corn Belt Experiment Stations, provide the superior parentage of Master Hybrids.

See Blue Figure Price List in front of catalog

MASTER F-21

(83-87)
Days

A yellow double hybrid for Northern Zone of Minnesota, North Dakota, Wisconsin, Michigan, Montana. One of the earliest hybrids on the market.

In 3-year trials it proved equal in yield to Minhybrid 800, and earlier in maturity. In 1943 Official North Dakota Trials, made a record yield of 53.9 bu. per acre (Grand Forks County)—the highest yielding hybrid tested.

The plants have a healthy green color, average 6 feet high with ears at a uniform height of 2½ feet. Ears average 8 inches in length, with 16 rows of high quality grain of a deep rich yellow color with a golden bronze tinge. Good smut resistance and standing ability.

MASTER F-40

(86-90)
Days

This yellow double cross hybrid has proved a great performer in North Central Minnesota, North Dakota, Wisconsin, and Michigan. In Official North Dakota Trials it produced 63.3 bu. per acre in 1941 (Grand Forks County), 61.4 bu. per acre in 1942 (Cass County) and 50.7 bu. per acre in 1943 (Grand Forks County)—an excellent 3-year record of performance! Good plant type, averaging 6 feet, with ears on short, sturdy shanks at an average height of 2½ feet. Ears average 6½ inches long, bright, sound, free from ear rots. Sixteen rows of good quality, medium deep grain, surprising in such an early hybrid. Very good smut and lodging resistance.

MASTER F-60

(97-101)
Days

Our customers report record performance for this yellow dent double hybrid throughout the Central Zone of Minnesota, Wisconsin, Michigan, South Dakota, and southeastern North Dakota. Our 3-year trials show 30% greater yield over open pollinated strains of similar maturity. Made an outstanding 3-year record in Official North Dakota Trials, 1941-1943.

Good seedling vigor, and a rapid grower, with very deep green foliage on stiff, straight plants. Bright, sound, yellow ears borne on short shanks, ideal for machine picking. Surprising depth of kernel for such an early hybrid, demonstrates excellent feeding quality.

MASTER F-82

(104-108)
Days

A most popular yellow double hybrid in the South Central Zone of Minnesota, Wisconsin, Michigan, South Dakota, and extreme southeastern North Dakota. In 3-year yield trials, out-yielded all other commercial hybrids tested in its maturity class. The highest yielding of all those tested in Official South Dakota Trials of 1943 in Minnehaha County.

Uniform plant and ear characters. Plants have rich dark green color; attractive ears carry deep, richly colored, thick-dented kernels of high feeding value. High resistance to smut, root lodging and stalk breaking, makes it easy to handle with a mechanical picker.

MASTER F-101

(112-116)
Days

A popular favorite with our customers in the southern zone of Minnesota, northern Iowa, southern Wisconsin, Michigan, South Dakota, and similar territories. In all performance factors this hybrid has a superb record. In the 1941 Minnesota Official Yield Trials (last recorded trials for yield), F-101 made record yields of 111.7 bu. per acre in Winona County!

A vigorous grower, with excellent standing ability. Dries rapidly after maturity, and has excellent grain quality. Ears average 9 inches in length. Deep, rich yellow kernels with a bronze tinge, of very high feeding value.

A favorite in these days of manpower shortages, because of its uniformity, standing ability, and ease of clean harvest with mechanical pickers.

MASTER F-105

(112-116)
Days

A yellow double hybrid for southern Minnesota, northern Iowa, southern Wisconsin, Michigan, South Dakota, and similar territories. Yield is of prime importance, and this hybrid has ranked with the best of commercial hybrids we have tested over a 3-year period.

A tall vigorous grower with dark green leafy plants. Ears average 8 inches long, are medium rough, and average 16 rows of deep, rich, yellow kernels of high feeding value. Very uniform in plant and ear characters, giving a pleasing appearance in the field. Highly resistant to root lodging, stalk breaking, and stalk rot. Good smut resistance. Picks well with a mechanical picker.

The Northwest's Greatest Silo Filler!!

IDEAL HYBRID SILO CORN

MASTER F-106 (116-120 Days)

Specially Bred for Silage Purposes

A hybrid developed from our famous open-pollinated Ideal Silo Corn! This hybrid has become so popular in Minnesota, Wisconsin, Northern Iowa, Michigan, South Dakota, and many other states, it has not been possible thus far to supply the demand.

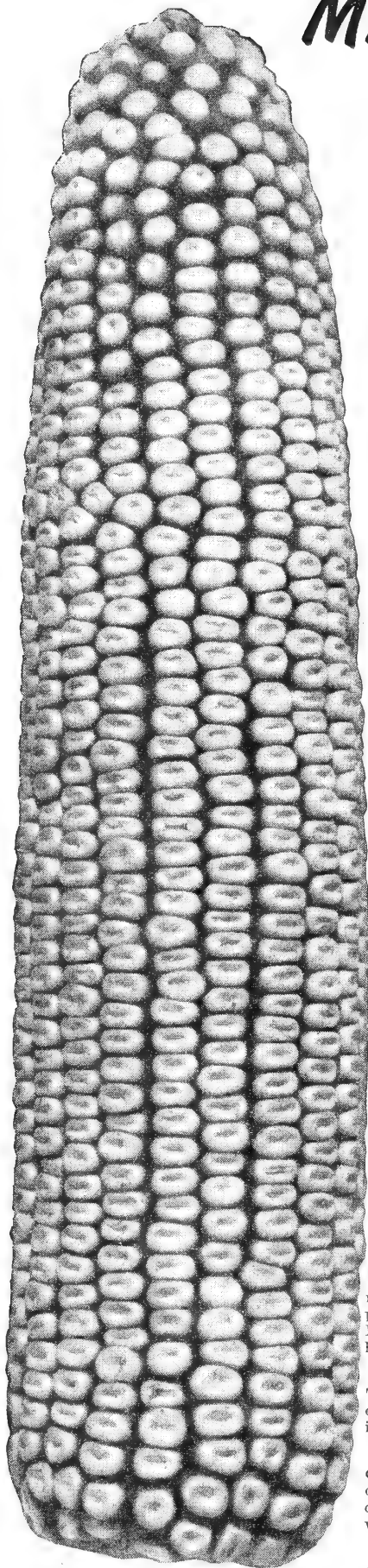
Nine-foot plants carry ears 3 feet from the ground. The 9 to 10-inch ears are packed with 16 rows of deep, soft starch, rich yellow kernels of high feeding value.

Fifteen tons of quality silage per acre, rich in carotene, source of Vitamin A. Silage is best when corn is "medium dented." Then the entire plant contains 70% moisture, and ears are well developed, while plant remains green.

Master Ideal Hybrid Silo is splendid for silage in all zones—figuring maturity at 10 days later than for grain production. Be sure to try this great new silage producer! See Blue Figure Price List.



Ideal Hybrid Silo Corn fills many a silo from half the usual acreage. For feeding green, for ensilage and for curing in shocks to be fed in the bundle, it's the Northwest's greatest producer!



MASTER HYBRID F-101
(112-116 Days)

NEWEST AND BEST OF THE MINHYBRIDS

★NEW MINHYBRID 800 (85-89 Days)

An early yellow double hybrid for Northern Zone of Minnesota, North Dakota, Wisconsin, Michigan and Montana. In 4-year trials, outyielded Haney's Extra Early Minnesota 13 by 9% in the Northern Zone, and by 21% in the North Central Zone, and with 6.7% less moisture. Outstanding smut and lodging resistance. Harvests cleanly with mechanical picker. Produces bright sound yellow ears free from ear rots and of good feeding value.

★NEW MINHYBRID 706 (93-97 Days)

A new WHITE double cross just developed by Minn. Experiment Station. The only white hybrid we offer. Well adapted to the North Central Zone of Minnesota, North Dakota, Wisconsin, Michigan, Montana, and similar territories. Trials over a 3-year period show 22.5% greater yield than Haney's Minnesota 13, with 1.2% less moisture. There can be harvested with a mechanical picker. There are no other white hybrids of this maturity on the market.

★NEW MINHYBRID 702 (88-92 Days)

An early yellow double hybrid ideal for the North Central Zone of Minnesota, North Dakota, Wisconsin, Michigan and Montana. Trials over 5-year period show 16.5% greater yield, with 6.2% less moisture, than Haney's Extra Early Minnesota 13. High smut and lodging resistance. Harvests cleanly with mechanical picker. Bred for freedom from ear rots, and grain of high feeding value.

100 BUSHELS TO THE ACRE

"I am sending you my order for Master Ideal Silo Corn F-106. Also for Minhybrid 404. I planted Minhybrid 404 this year for the first time and had wonderful results. It yielded about 100 bushels to the acre and was well matured by the time of frost. Your Hybrid Silo Corn produces a bountiful crop of leafy fodder and makes very good feed."

John Evanson, Stockton, Minnesota.

★NEW MINHYBRID 602 (95-99 Days)

Without a peer in its maturity group. Outstanding in Central Zone of Minnesota, Wisconsin, Michigan, South Dakota, and southeastern North Dakota. In 3-year trials has given 12.5% greater yield, with 4.5% less moisture, than Morris Strain Minnesota 13. Good smut resistance and standing ability. Harvests easily with mechanical picker. Good depth of kernel and grain quality, and rates high as a feeding corn. Ripens well and yields heavily, slightly north of Central Zone. In later zones, yields as well as hybrids 10 days later in maturity.

★NEW MINHYBRID 502 (103-107 Days)

A yellow double hybrid suited to South Central Zone of Minnesota, Wisconsin, Michigan and South Dakota. Trials over a 3-year period show 19.6% greater yield than University Farm Minnesota 13, with the same amount of moisture. Trials also show Minhybrid 502 equal to Minhybrid 301 and 403 in yield. Excels in smut and lodging resistance, economical to harvest with mechanical picker. Produces sound ears, free from ear rots. Grain quality, depth of kernels, and soft starch makes it a feed lot favorite.

★NEW MINHYBRID 503 (104-108 Days)

A new yellow double hybrid just released by the Minn. Experiment Station. A combination of three Minnesota inbreds with an inbred from Ohio. Adapted to the South Central Zone of Minnesota, Wisconsin, Michigan and South Dakota. In trials, outyielded University Farm Minnesota 13 by 23.1%, with the hybrid showing 5.3% more moisture. Also outyielded Minhybrid 403 by 9%. Bred for smut and lodging resistance. Harvests well with mechanical picker. Produces deep yellow kernels of high feeding value.

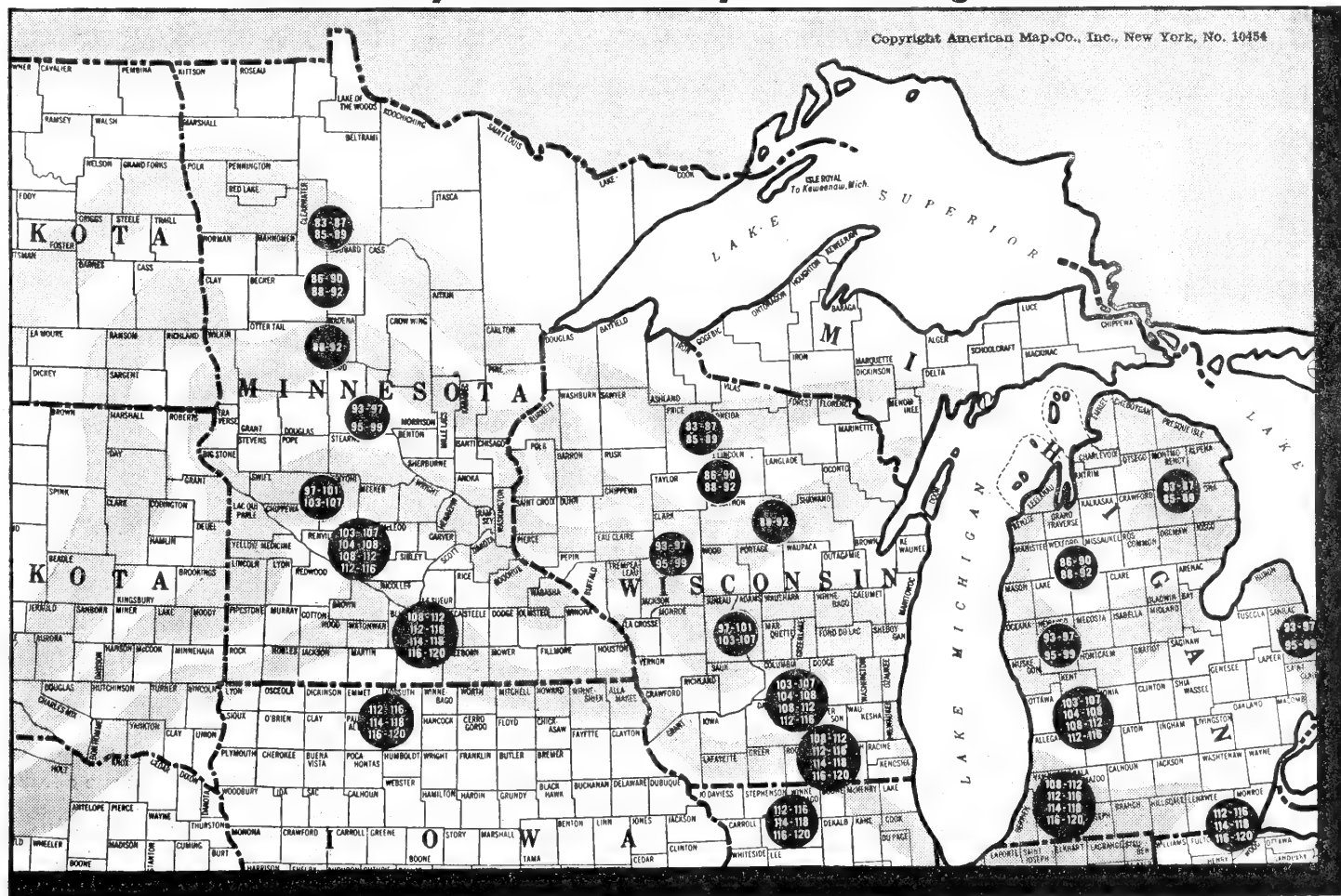
★NEW MINHYBRID 404 (108-112 Days)

A very pleasing yellow double hybrid in great demand in Southern Zone of Minnesota, South Dakota, Wisconsin and Michigan. 23 trials over a 6-year period show 40% greater yield than Murdock. Just slightly later than Minhybrid 403, but produces 10% greater yield. As a result, it has largely replaced much Minhybrid 403 acreage. Good smut and lodging resistance. Harvests well with mechanical picker. Depth of kernel, with very good grain quality, makes this hybrid a favorite with feeders.

★NEW MINHYBRID 408 (114-118 Days)

Just released by the Minn. Experiment Station. A yellow double hybrid. Adapted to Southern Zone of Minnesota, Wisconsin, Michigan, South Dakota, and Northern Iowa, also in Northern Illinois. A cross of two Minnesota inbreds with 2 inbreds from Ohio. In 4-year trials yielded 51.9% greater than Murdock, with the hybrid showing only 6.7% more moisture. Good smut and lodging resistance. Deep, rich yellow kernels of excellent feeding value.

Master Hybrid and Minhybrid Planting Guide



★ ★ ★ Numbers printed in each zone represent MATURITIES of Master Hybrids or Minhybrids recommended for these areas ★ ★ ★

See Price List in Front of Catalog—Save Money—Buy Direct!

Sorghum Cane



Making Sorghum Syrup From Minnesota's Famous Cane.

Relieve the Sugar Shortage!

The Minnesota Crop Improvement Association urges planting of sorghum for syrup manufacture to ease the shortage of sugar, and recommends Minnesota Orange Sorghum Cane. The Iowa Experiment Station also recommends Minnesota Orange Sorghum for Northern Iowa. There are a number of sorghum mills in Minnesota and Iowa where sorghum may be taken for syrup production.

There is a severe shortage of high germinating seed. Insist on early maturing varieties of good germination. Don't plant late maturing, southern strains unless for fodder.

MINNESOTA ORANGE SORGHUM CANE—An early strain selected from Waconia Orange, grown in Southern and South Central Minnesota for many years. Grows heavier but shorter stalks than Amber Cane and withstands storms and wet weather without lodging. Sow 8 to 10 lbs. per acre for syrup. An excellent sweet stalk sorgho, that produces 5 to 10 tons of quality cane per acre, and 25 to 40 bushels of seed per acre. Over 200 gallons of delicious, golden yellow syrup from one acre!

Minnesota Orange Cane syrup is preferred by consumers because it's lighter in color than Amber Cane syrup. Sorghum syrups are superior to other syrups for certain table and culinary uses. (Makes delicious brown bread, cookies, pies, baked beans.) Syrup made on farms is sometimes purchased by commercial concerns who market it, but usually farm-made syrup is utilized in the locality where made. Price: 5 lbs. \$1.10, postpaid. (See Price List.)

FODDER CANE—(Southern Grown.) A profitable feed crop producing as much as 30 to 35 tons of green feed per acre. It makes good hay if cut before it grows too high. It matures later than Early Amber Cane. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Price: 5 lbs. \$1.05, postpaid. (See Blue Figure Price List.)

Buckwheat

Generally the best grain crop for poor, thin land. Does best in moist, cool climates. Seed at the rate of 3 or 4 pecks per acre, late in the season when all danger of frost is past. Matures a crop in only 10 to 12 weeks. An excellent catch crop when seeded after canning peas or winter wheat have been removed. Yields vary from 15 to 30 bushels per acre. Buckwheat is an excellent weed eradicator, as its quick, vigorous growth offers severe competition to weeds.

Because the varieties Japanese and Silver Hull have become mixed, we offer seed merely as "Buckwheat." In fact, many growers consider it best to mix half and half seed of Silver Hull and Japanese varieties for sowing. The plants have somewhat different habits of growth, the Japanese generally growing taller and branching less than Silver Hull. Thus, when grown together, the two may occupy the land to better advantage. These varieties often have crossed among themselves, resulting in considerable mixtures of the varieties and of their hybrids anyway. See Blue Figure Price

MILLET—The Ideal "Catch Crop"

Although many farmers are now growing Millet regularly as a hay crop, it was not until the last few years that its value was fully appreciated as a quick-developing crop. Many find it of great value in case of crop failure of Clover and Timothy, when dry, spring weather cuts short the pasture and meadow grasses, or when there is a cold, wet spring and corn and other early sown crops are drowned out—it is then that Millet is fully appreciated.

Millets may be planted up to July 1 and even later, and still produce a crop of hay or

pasture. Millet hay properly handled has great feeding value and milk-producing qualities. For hay it should be cut as soon as it blooms, before the seed forms, otherwise the hay is apt to be woody. In more southern sections Millet is sown as a catch crop after the grain has been harvested. It produces the best results in warm, rich soil.

Sow broadcast, using about 25 lbs. per acre, covering seed three-quarters of an inch deep. For a seed crop, allow the Millet to ripen fully and harvest with a grain binder.

JAPANESE MILLET—Billion Dollar Grass

One of the best forage crops for feeding all kinds of livestock. High in milk-producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration (two parts of millet to one of soy beans). Adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

- 1—It grows 4 to 8 ft. high and produces 5 to 6 tons of hay per acre.
- 2—It is drought-resistant, yet can be grown on wet or poor soil.
- 3—It is cheap to sow, only 20 to 25 pounds of seed per acre being required.
- 4—It is very palatable and is liked by all classes of livestock.

FOXTAIL MILLETS

Sow 15 to 20 pounds per acre.

GERMAN OR GOLDEN—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality, and so tender it can be fed to hogs.

SIBERIAN—We think this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

Price: Any variety, 5 lbs. \$1.10, postpaid. For larger quantities see Blue Figure Price List

PROSO MILLETS

Sow 25 pounds per acre.

RED PROSO MILLET—A very popular variety for producing ripe grain or seed, but not a hay millet. Can be seeded after early canning peas are harvested, and still mature a crop easily. Plants are short and medium-early in maturity. Seed hull is reddish-brown. In North Dakota Experiment Station trials, Red Proso was as readily consumed as yellow corn, by laying hens and growing turkeys. In fact, annual egg production per bird, was higher where Red Proso replaced corn.

WHITE PROSO OR HOG MILLET—The seed is of high food value especially for poultry and hogs. It is yellowish white in color. Very early and drought resistant and will produce excellent yields of seed.

Canada Yellow Field Peas

Field Peas are better suited to the Northwest than other annual legumes for building up wornout soils. They are usually grown with oats for hay, a combination equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels of oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, they grow too rapidly, and check or smother the growth of the peas. Price: 5 lbs. \$1.10, postpaid. For prices on larger quantities, see Price List.

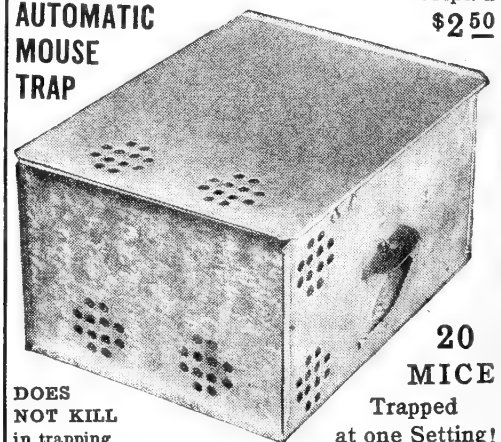
Sunflower (Mammoth Russian) for Ensilage and Fodder

Sunflower for ensilage and fodder is now advocated by experiment stations. Profitable where seasons are too short for other forage plants, sorghums, etc.

A profitable crop for fattening hens or producing eggs. Flower heads measure 12 to 22 inches across, containing many seeds. Price: Lb. 40c, 5 lbs. \$1.60, postpaid.

World's Finest

**AUTOMATIC
MOUSE
TRAP**



Postpaid
\$2.50

**DOES
NOT KILL
in trapping**

**20
MICE
Trapped
at one Setting!**

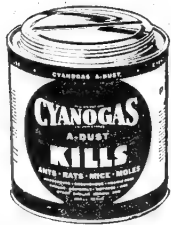
Catches mice by the dozens! Effective, fool-proof, sanitary. Just wind it up, place it on floor, and empty it every few days. Simply eject trapped mice into water without touching them, or immerse the trap to destroy them. The lively trapped mice attract others into trap. Lures them without bait. Sturdily built, all metal, fully galvanized, guaranteed, lasts for years. \$2.50, postpaid.

Vetch (Sand or Hairy)

Vetches, either green or as hay, make excellent feed and are also used extensively as cover and green manure crops. They make good hay, ensilage, pasture and green feed and are very valuable as a green fertilizer and as a cover crop in orchards, preventing the washing away of the soil.

Vetch may be sown in the spring at the rate of 60 lbs. per acre, or with a grain crop such as oats, wheat, rye or barley, at the rate of 30 lbs. per acre, and using one-half of the normal rate of small grain. This combination makes excellent forage or hay and also aids in preventing the Vetch from lodging. Vetch may also be seeded in the fall with winter rye for a hay crop, about August 1 to 20, using about 30 lbs. of Vetch and ¼ bu. of rye per acre. Price: 5 lbs. \$1.65, postpaid. See Price List.

Pest Destroyers . . . Poultry Remedies . . . Money-saving Farm Helps



CYANOGLAS

KILLS
RATS, MICE, GOPHERS,
MOLES, WOODCHUCKS

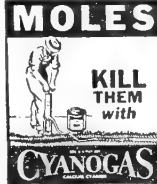
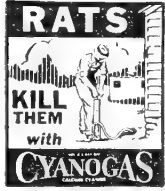
in corn cribs, burrows, under
buildings, barns and hard-to-get-
at places.

Cyanogas gives off a gas deadly
to rodents. The residue,
after gas is given off, is non-
poisonous. Pests need not eat
Cyanogas or even touch it. It
gets 'em wherever they are.

Can be applied
with dusters
(below) or by
sifting. Directions
on pkg.

Write for big
free folder telling how to rid
your premises of 24 different
farm and home pests.

Cyanogas A-Dust: 1 lb. 75c,
postage 10c extra. 5 lbs. \$3.00,
25 lbs. \$10.00, F. O. B. Faribault.



Improved Cyanogas Brass FOOT PUMP DUSTER



Kill rats, gophers, moles, etc. in deep,
burrows, or under buildings with this
powerful, heavy-duty Cyanogas pump—
made of brass—lasts a lifetime. New
dust cutoff valve makes a little Cyanogas
go a long way! First apply minimum
dose with lever in "Dust" position. Then
force gas completely through the burrow
with valve in "Air" position. A com-
plete kill—with no waste!
Price: \$7.00, postage 25c ex-
tra.



Kill moles or gophers with this "Gas" type
cartridge. Simply light fuse—insert into holes
or tunnels. Molite gas penetrates runways,
brings quick death to rodents. 6 Molites for 80c,
12 for \$1.50, postpaid.



VERMINOX (Non-Poisonous.) KILLS RATS!

A ready-to-use bait,
tasty but deadly to rats;
not dangerous to humans,
pets, poultry, livestock.
TRIAL pkg., 30c; large
economy size, 50c, pre-
paid.

Have this on hand at all times "CALICO MOUSE SEED"

KILLS MICE

This poison grain is an inviting, attractive
lure that gets the mice. It is more convenient
and effective than the use of traps. Unattractive
to dogs, cats and other pets. Guaranteed to
satisfy or money back. Trial package, 2 oz. for
25c; large Economy Size, 6 oz. for 55c, prepaid.



KILL-EM-QUICK GOPHER POISON

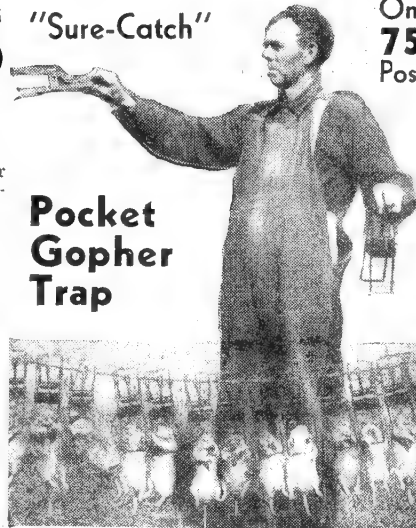
Just mix this powder with
moistened grain. The aroma at-
tracts, the taste makes gophers eat
greedily. It Kills-Em Quick! Wipe out gophers—they cost you
money! Liberal pkg., ppd., 50c.

MASTER MOLE KILL

Punch hole in tunnel,
drop in this non-poison
bait. Relished by moles,
but kills 'em. Trial pkg.,
30c; large economy size,
60c, prepaid.



"Sure-Catch"



Pocket Gopher Trap



Few farmers realize the losses caused by pocket
gophers. Most counties pay bounties to check
these farm robbers, but here is a trap that will
really get a pocket gopher nine times out of ten.
This trap is simple and effective.

Sure-Catch Trap is easy to set—perfectly harm-
less to handle and fits into the gopher hole, half
length. Boys and girls make good money trap-
ping pocket gophers.

Price, New Victory model made of heavy steel
wire: 75c each; 6 for \$4.25, prepaid.



CYANOGLAS, ANT KILLER

Packed in special 4-oz. metal
container equipped with spout for
easy application. Simply shoot it
into ant hills and no more ant
trouble. Gets the ants at their
source. Price: 40c, postpaid.

POULTRY REMEDIES



JERMITE

100 per Gal.

1-lb. can makes
1 gallon of Jermite
ready to use.

Good
for
Baby
Chicks
and the
entire
flock!



JERMITE

A 1-lb. can of Jermite
equals 700 average
poultry tablets that
usually cost \$1.00
per 100 tablets. You
save \$6.00 by using
Jermite.

Jermite Guarantees Healthy
Turkeys and Poultry

- 1 Jermite is economical
to use.
- 2 Jermite can be used
in either the drinking
water or the feed.
- 3 Jermite contains no
fillers or harmful drugs.
- 4 Jermite is guaranteed.

Send \$1.00 for Special
Jermite Trial Offer Today.

25-pound drum \$17.50, f. o. b. Faribault.

More Eggs

By Keeping Hens Free from Lice with

MINK'S LOUSE KILLER OINTMENT

—One application keeps hens free from lice up
to six months. Pays its cost several times in
increased egg production. Wonderful remedy
for head lice, on baby chicks and turkeys. If
not completely satisfied, return empty box and
get your money back. One box treats 75 to
100 hens.

Perfectly harmless. Price: 80c, prepaid.

Only
75c
Postpaid

MORE MILES PER GALLON of GASOLINE WITH "SOLVATANE"

27 EXTRA MILES from a sin-
gle "A" coupon—with a nickel's
worth of SOLVATANE is claimed
by a Minneapolis doctor. Dozens
of our customers sent similar re-
ports.

More Power—Better Compression

With poor gas these days, you
will find Solvatan right on the
job to pep up your sluggish motor,
clean out carbon, and save many a
repair bill. Truck men everywhere
use it regularly. It has dozens of
uses as a rust solvent in machines
and tools. Makes starting easier
for tractors, washing machines,
light-plants, etc.

Immediate-Positive Action

Solvatan contains no injurious
ingredients—cannot harm the finest
motor, watch or instrument. You
can save time, money and temper
with Solvatan. Let us prove it.
Circular free.



Try it in
your
Truck,
Tractor,
Passenger
Car,
Milking
Machine
and
Stationary
Engine.

1/2 pint (8 oz.) 65c, ppd.
1 quart (32 oz.) \$1.60, ppd.
1/2 gal. (64 oz.) \$2.50, not ppd. By express
1 gal. (128 oz.) \$4.50, not ppd. By express

Humane Dehorning Pencil



The value of a calf is increased \$2.00 by de-
horning. The brutal method of sawing off the
horns is obsolete. Check the growth of horns in
young calves with our "Humane" Dehorning
Pencil. One application does the work—does
not injure calf—practically painless. Satisfaction
guaranteed or money back. Each pencil dehorns
10 to 15 calves, at a cost of about 4 cents per
calf. Thousands of satisfied customers.

Price: 50c per pencil, 3 for \$1.30, prepaid.

SEED TREATMENTS

G & O CROW REPEL- LENT—Saves seed and re- planting. Stops crows, pheas- ants, other birds; squirrels, gophers, woodchucks, etc., from pulling or destroying planted seed. Non-poisonous, non-in- jurious to seed corn, will not clog planter. 1 pint (treats 2 bu. seed corn), 65c; quart, 90c, ppd.

BARBAK—This depend-
able seed corn treatment in-
creases germination and stand
at a cost of 2c per acre. Per-
mits earlier planting, prevents
seed rotting, and insures in-
creased yield. Price: 1 1/2 oz.
pkt. (enough for 1 bu. seed)
15c, prepaid. Not prepaid, 1
lb. tin (60-acre size) 75c.

SEMESAN JR.—Another seed corn treat-
ment which destroys seed-borne diseases, protects
seed from rotting in cold wet soil, thus makes
early planting possible. Price: 1 1/2 oz. (enough
for 1 bu. seed) 15c, prepaid. Not prepaid, 1 lb.
75c.

CERESAN—For treating seed grains—wheat,
oats, barley. See page 65 for details.
SEMESAN BEL—For treating seed potatoes.
See page 28 for details.
SEMESAN—For treating all garden and flow-
er seeds. See page 17 for details.

NITRAGIN—For inoculating Alfalfas, Clovers,
Soy Beans, and Garden Peas and Beans. Boosts
yields and enriches soil. See page 64.



High Grade Garden Implements to Make the Job Easier!

No. 270—NEW GARDEX SEEDER—\$1.20 "The Victory Gardeners' Favorite" ppd.



Gardex Sows Seed Evenly

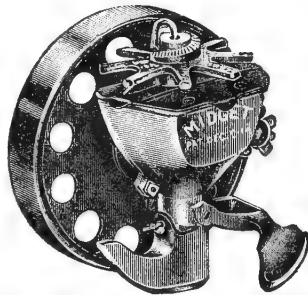
All Garden Tools offered are subject to stocks being available according to allotments received from the manufacturers.

The handiest little seeder ever offered. Adjustable for planting seeds from the smallest flower seeds up to cucumber size. Two discs fit together—are adjustable to obtain the right opening, and easy to fill. Sows seeds quickly, evenly, economically—no bending down necessary. They cannot clog up. Will give years of service at a small cost. Disc hopper capacity ¼ pint, diameter of discs 4½ inches, largest opening .28"x.4". Market gardeners prize this seeder highly for hotbed and greenhouse sowing. Complete with 30-inch normal length handle. Price \$1.20, prepaid.

MIDGET SEEDER No. 1

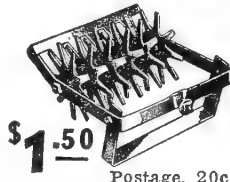
For sowing any kind of seed, from the smallest up to peas and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator or most other Single Wheel cultivators having 5½ inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. The most popular seeder on the market. Handle extra if for use alone. Weight, 8 lbs.

Price: Set up, ready to be attached, \$3.50. With handle, \$4.15, not ppd.



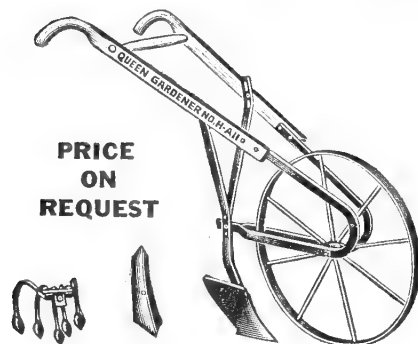
Standard Weed Killer PULVERIZER & MULCHER

Attaches to any high wheel cultivator. Runs light. Has six star wheels mounted on revolving shaft. Between wheels are projecting teeth which pulverize the lumps. Mounted in front is a 10-inch scuffle blade, both edges sharpened. Weight, 6 lbs.



\$1.50
Postage, 20c.

H. A. 11.—HIGH WHEEL CULTIVATOR



PRICE
ON
REQUEST

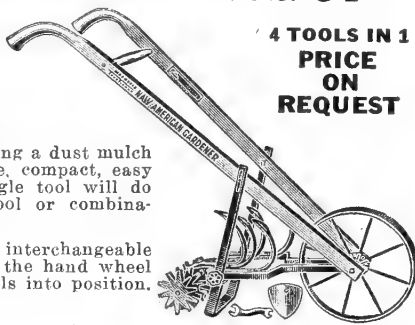
A sturdy, strong, substantial machine, at a moderate price. Steel frame is 1 inch wide, ¼ inch heavy rim. Has good grade bent oak handles. High wheel has eight spokes with 1¼-inch heavy rim. The attachments supplied are of carbon steel of superior design. Wide range of adjustment of handles and attachments easy to operate. Comes equipped with plow, 4-inch shovel and 5-prong cultivator. Weight 21 lbs. Write for price.

THE NEW AMERICAN GARDENER No. G-2

A complete garden outfit for all purposes. 1—A plow for trenching; 2—A scuffle hoe or sweep for weeding; 3—A cultivator for breaking up the soil; 4—A mulcher, pulverizer or rotary hoe for pulverizing, killing weeds, stimulating plant growth and leaving a dust mulch to save moisture. It is simple, compact, easy to use and speedy. This single tool will do everything that any other tool or combination of tools will do.

The mulcher attachment is interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position. Fully guaranteed.

Write for price.



Weight 23 lbs.

4 TOOLS IN 1
PRICE
ON
REQUEST

The "ALL PURPOSE" Garden Hoe for Cultivating Weeding and Mulching



Makes gardening
a pleasure

Try this new, high speed, light weight garden tool! So easy to handle, so much lighter, faster and better—you'll never go back to the ordinary hoe! Enthusiastic women gardeners claim less fatigue, better results.

You'll find it's fun to flick Dandelion and Plantain from the turf, or mulch around evergreens, shrubs, perennials.

Goose-neck shank permits close cultivation of prized perennial! Amazingly efficient for mulching, cutting, weeding your garden. Weighs only 1½ lbs., yet stronger than other garden hoes. Order today—if not delighted, return it for money back. Price \$1.20, prepaid.

\$1.20
ppd.
To 3rd
Zone

Postage 15c
extra beyond
3rd zone.

No. 1523—GARDEX CULTIVATOR and WEEDER



Every gardener will prize this new tool—a cultivator and weeder combined. A real time and labor saver—light weight, very efficient. The 3-prong cultivator loosens the soil thoroughly—while the weeding blade cuts off weeds quickly. Painted red, it has three prongs, is 4½ inches wide. Weeding blade is 4 inches wide, complete with 4½-inch normal length garden handle. Price \$1.35, prepaid.



"Push-
Pull" Hoe

\$1.65
ppd.

New Time and Labor
Saver.

An amazingly effective hoe for weeding and mulching. Works fast—and so easy to operate—it's a child's play!

No chopping—no striking—no lifting. Just an easy push and pull. Blade with six cutting edges—made of high carbon steel, with strong wood handle. Easy on the back! Cuts around trees, shrubs and plants. Price: \$1.65, prepaid.



IDEAL
HAND
WEEDER
HANDIEST
TOOL
ON EARTH.

IDEAL WEEDER—postpaid, 25c

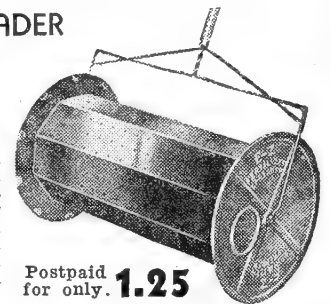
Indispensable for all garden work. Just the thing for close work around delicate plants. Most practical weeder on the market. Used by the best gardeners everywhere.

Price: 25c each, 3 for 65c, postpaid.

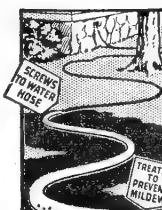
NEW E-Z FERTILIZER SPREADER



Easy to use—simply fill the container and push like a carpet sweeper. Fertilizer need never touch your hands. Correct, uniform distribution. No portion of lawn neglected—none gets excess. Excellent for sowing lawn seed. This improved model is sturdily built, wheels reinforced with metal.



Postpaid
for only. **1.25**



SOIL-SOAKER

Like ALL NIGHT RAIN
IT REALLY SOAKS THE SOIL

PRICES No. 0—
12 ft. long
\$1.40

No. 1—
18 ft. long
\$1.90

No. 2—
30 ft. long
\$2.90

No. 3—
50 ft. long
\$4.75

Prices
All Postpaid

Water seeps through entire length gently—no spray—puts water where you want it—all soaks to the roots. Made of treated mildew-resistant canvas. One end screws to water hose, other end closed. Water seeps through every pore—soaks directly into the soil over an area of several feet on all sides. No excessive evaporation. Ideal for lawns, terraces, flower and vegetable gardens, hedges, shrubs, trees, etc. Saves on water bills. Get yours now!

GOOD PROTECTION FOR YOUR GARDEN - TREES - LAWN - SHRUBS

KEEP RABBITS OUT OF GARDEN



with "RABBIT CHASER"

Leaflet Free.

Much damage has been caused to gardens and fruits by rabbits. Stop this annoyance with LAG'S RABBIT CHASER. It's non-poisonous—can be used with safety as a spray, will not burn the vegetation or harm the rabbits. Spray every three weeks while plants are young.

Price 50c a bottle, for making one quart of spray. A \$1.50 bottle makes a gallon.



G & O RABBIT REPELLENT—A dry, powdered material which keeps rabbits out of the garden. Scatter over surface of the soil and it will prevent their eating carrots, peas, etc. Non-poisonous, safe to use near cabbage, lettuce, etc. Goes a long way when used between the rows of vegetables. Effective in spite of rain. 1 lb. pkg., 55c, postpaid, 5 lbs., \$1.75, not ppd.

PROTECT YOUNG TREES with

SULPHONOL RABBIT REPELLENT

Protects trees from rabbits and mice. Inexpensive to use. Keeps tree borers away and prevents sun scald. Mix with water and paint the trees two feet above snow line. "Sulphonol" is non-poisonous, and will remain effective throughout the winter. Cannot be applied with sprayer. One pound treats 20 trees. Price: 1 lb. 45c, prepaid.—Not prepaid, 35c per lb.

COPPER RODENT REPELLENT—Protects fruit trees and shrubbery from rabbits and mice. Costs less than 1c per tree. Rapidly applied by painting or with sprayer. Rabbits will not girdle a tree which is coated with this material.

Non-poisonous—offers all winter protection. Price: Qt. \$1.20, postpaid, 1 gal. \$3.00 f. o. b. Faribault.—By express.



Twist ends between finger and thumb

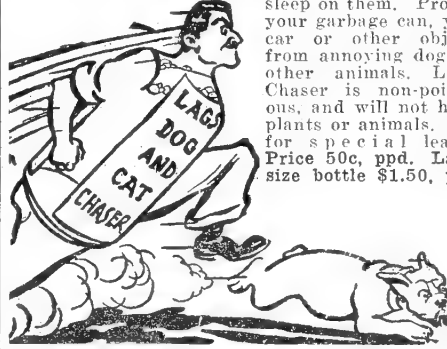
In a "flash" stem is securely tied

TWIST 'EMS

Strong, dark green tapes with wire reinforcing—the perfect plant tie. For plants, vines, shrubs or bunching vegetables. 7-inch size only: 100 for 25c, 500 for \$1.00, 1,000 for \$1.80, postpaid.

DOG AND CAT CHASER

A stainless repellent with pleasant odor. Repels animals when sprayed on shrubs and bushes. Will not injure most delicate plants. Use it on furniture, beds, etc., and dogs or cats will not lay or sleep on them. Protect your garbage can, your car or other objects from annoying dogs or other animals. Lag's Chaser is non-poisonous, and will not harm plants or animals. Ask for a special leaflet. Price 50c, ppd. Large size bottle \$1.50, ppd.



DAWG-GONE — KEEPS DOGS AWAY—A combination of rare chemicals releasing an odor very distasteful to dogs. Just hang tube on lower branch of tree, about 10 inches from the ground, with opening down. The slowly escaping odor will keep dogs away. 2 tubes 50c, 6 tubes \$1.40, ppd.



"NO PUPS WANTED"

Female dogs make the best watch dogs and most gentle pets. They have cleaner habits than cause annoyance in attracting other dogs. LAG'S NO PUPS WANTED has a pleasant odor—is easily applied to female dogs when necessary, and other dogs will keep away. It is a semi-clear liquid—is harmless and will not stain the hair of white dogs. Price 50c, ppd. Leaflet free.

**DOES YOUR DOG
Itch... Scratch?**

**DON'T BLAME FLEAS
MANGE... DIET!**

If your dog itches, scratches continually, it's probably not due to fleas, mange or diet. 2 to 1, it's FUNGITCH, grass-borne fungus infection long a puzzle to science. FUNGITCH starts as an itch followed by dandruff-like scales or sores with brownish edges and mouldy odor—or infection in ears, in paws, underbody, tail or eyes. May lead to most serious results—costly care—even total loss. Now a noted specialist's discovery—SULFADENE—applied externally, stops itching in minutes... clears up scales and sores in a few days. Generous treatment—only 98c.

DR. MERRICK'S SULFADENE

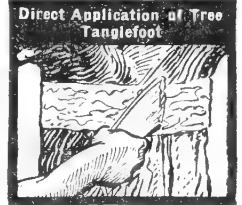
TREE TANGLEFOOT



Protect your trees and vines from climbing insects by banding them with Tree Tanglefoot. Prevents destructive insects from reaching the upper part and destroying buds and foliage. It is easily applied with a wooden paddle and lasts for months. Won't soften, run or melt, yet is always elastic and expands as tree grows.

Tree Tanglefoot is non-injurious, and used extensively by nurserymen and orchardists. Endorsed also by leading Tree Surgeons.

Price: 6-oz. can 50c, 1-lb. can 90c, prepaid. Not prepaid: 5-lb. can \$3.75, 10 lbs. \$7.00.



DAYTON TREE SAVER—Contains 13 ingredients beneficial to trees, medical oils to heal wounds and non-injurious acids to destroy fungi, insects and worms. It does not shrink but is light in weight, elastic and waterproof. Price: Pint 65c, quart \$1.10, not prepaid.

ZOTOX KILLS CRAB GRASS (WITHOUT DESTROYING LAWN GRASS)

Zotox not only kills the plant, but deactivates the seed, checking reinfestation and is not toxic to the soil. It may discolor the turf temporarily, which, however, regains its natural color after a few days. Simply mix with water and apply to lawn from sprinkling can or sprayer. Price: 8-oz. size (for 5 gal. solution, treating 1,000 square feet) \$1.00, 16-oz. size \$1.50, prepaid.

HERE IT IS WEEDONE

The remarkable New Weed Killer you've read about. (Country Gentlemen, Jan., Better Homes & Gardens, Feb.) One part WEEDONE mixed with 60 parts water and sprayed on leaves, kills these and other weeds right down to root tips: Poison Ivy, Bindweed (Morning Glory), Ragweed, Yarrow, Plantain, Dandelion, Burdock, Canada Thistle, Nettle, etc. Most grasses, while damaged, are not killed by WEEDONE. It kills weed plants under ground as well as above ground, does not sterilize soil, does not corrode metals or spray equipment, does not leave residue on plants, not hazardous to animals, does not irritate skin, non-explosive. Use 1 gallon spray to 100 sq. ft. 6-oz. bottle (makes 3-gal. spray) \$1.10; quart bottle (makes 15-gal. spray) \$4.15, postpaid; 1 gallon (makes 60-gal. spray), \$12.00, not postpaid; 5 gals. (makes 300-gal. spray) at \$11.00 per gal. f. o. b. Faribault. (See pg. 64.)

"HI-HUMUS" MOSS PEAT

If you have trouble with your lawn, if your soil is light and sandy, or if it bakes hard because of clay, Moss Peat will come to the rescue.

Peat, because of its millions of tiny cells, is one of the best non-conductors of heat and cold known. A two-inch mulch of peat on top of the soil around the plant prevents killing of roots during both winter and summer. The peat mulch holds moisture, reduces the labor of weeding for several seasons, and makes the plot mellow for a lifetime.

Two ounces of Moss Peat can absorb 1 lb. of water. Use it around roses, shrubs, perennials, your window boxes, ferns and potted plants. One bag (about 3 bu.) will top dress about 400 to 500 square feet of soil. Inexpensive to use. Contains life-giving humus and nitrogen essential to plant growth—and is free from silt and weed seeds. Top-dress your lawn early in May. On heavy clay soil, work it in to a depth of 6 inches. (Descriptive circular free.)

PRICES: Peck (about 5 lbs.)	60c	Ppd. to
1/2 bu. (about 10 lbs.)	\$1.00	3rd Zone
1 bag (3 bu.—about 60 lbs.)	\$2.00	Not Ppd.
2 bags (6 bu.—about 120 lbs.)	\$3.75	

For Better Gardens and Lawns



Makes Things Grow!
For Gardens, Lawns, Shrubs, Plants, Trees.

A single application makes grass and vegetables grow vigorously and flowers and shrubbery beautiful with bloom and foliage. Quick results, easy to apply, only a small quantity required, no offensive odor. Used for years on lawns of fine homes—on golf courses—in private gardens—hot-houses—and nurseries of florists and commercial growers.

Ten lbs. is sufficient to fertilize plot of lawn 20x25 ft.; 25 lbs. will cover plot 30x40 ft. (Use 2 to 4 lbs. per 100 sq. ft.)

Price: 5-lb. pkg. 45c, 10-lb. pkg. 85c, 25-lb. bag \$1.50, 50-lb. bag \$2.50, 100-lb. bag \$4.00, f. o. b. Faribault. Detailed instructions in each package.



(Analysis: 4-12-4)

VICTORY GARDEN FERTILIZER

Our special fertilizer for Victory Gardens, made according to recommendations of the U. S. Dept. of Agriculture. The greatest value in a dependable fertilizer to stimulate production of vegetable crops, and at a popular price. Analysis 4-12-4. Use 3 to 4 lbs. per 100 sq. ft. Full directions for use on each package. Price: 5 lbs. 50c, 10 lbs. 80c, 25 lbs. \$1.40, 50 lbs. \$2.25, 100 lbs. \$3.50, f. o. b. Faribault.

— RELIABLE INSECTICIDES AND FUNGICIDES —

WHAT TO USE FOR WHAT

FOR—	USE—
Cabbage Worms	Garden Guard
Bean Beetles	Arsenate of Lead
Cucumber Bugs	Nok-Em-Kold
Leaf Chewing Insects	Rotenone Spray
	Pyrocid
	New Pyro-Cuper Dust
	B-B Dust
Spiders on Evergreens	
Aphis—mealy bugs	Emo-Nik
White flies—Rust	Black Leaf 40
Mites on House Plants	
Aphids on Nasturtium	Bordeaux Mixture
All sucking insects	Wettable Dusting
	Sulphur
	B-B Dust
Blight—rust—scab—	Pyrocid
anthracnose—fungus	New Pyro-Cuper Dust
diseases	
Squash and Melon Bugs	Wettable Dusting
Cucumber Beetles	Sulphur
White mildew—black-	
spot—leaf spot—	Acme Kopper King
fungous diseases	Tomato Dust
	New Pyro-Cuper Dust
Tomato blight—	B-B Dust
fungous diseases	



ROTENONE GARDEN GUARD—Non-poisonous. Recommended for dusting on cabbage, cauliflower, beans, etc. Also controls lice, fleas and mites on dogs, cats and chickens. Safe to use. 1-lb. sifter top can, 40c, postpaid.

"NOK-EM-KOLD" GARDEN INSECTICIDE—It controls cabbage and cauliflower worms, cucumber beetles and insects. Dust on while damp with dew. Price: 1 lb. 25c, prepaid.—Not prepaid, 5 lbs. 90c, 10 lbs. \$1.35.

ACME EMO-NIK—Controls red spider, mealy bugs, white flies, rust, mites and aphids. Use as a spray. Fine for use on evergreens. 4 1/2-oz. bottle 40c, 1 pint 75c, ppd.

WETTABLE DUSTING SULPHUR—Keep your roses free from mildew, black spot, leaf spot and other hideous fungous diseases. Price: 2-lb. can, each 40c, prepaid.



ARSENATE OF LEAD—Safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: 1 lb. 45c, prepaid; 4 lbs. 92c, ppd.

BORDEAUX MIXTURE—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 40c, prepaid; 4 lbs. 92c, ppd.

CALCIUM ARSENATE—Very effective in controlling certain chewing insects. Recommended on hardy foliage of potatoes and certain vegetables. 4 lb. bag, 80c, postpaid.

LIME SULPHUR—Dry powder for scale, blight, leaf curl, twig borer—also for summer spraying against soot, blotch, red spider and mite. 1 lb. 45c, ppd.; 5 lbs. \$1.69, ppd.

"BLACK LEAF 40"—(Sulphate of Nicotine.) For killing the green aphid or lice which usually appear on sweet pea, cucumber and other vines. Used for spraying all kinds of plants. Price: 1-oz. bottle (makes 6 gallons of spray) 40c, 5-oz. tins \$1.10, 1-lb. tins, \$2.50, prepaid to 3rd zone.



ACME KOPPER KING—Spray or dust to control tomato blight, wilt and mildew. Newest recommended development. 1 lb. 50c, 4-lb. bag \$1.15, ppd.

TOBACCO DUST—Destroys rose slugs, lice, vine bugs, tomato worms, currant worms, cabbage lice. Apply when foliage is wet. Price: 1 lb. 30c, prepaid.—Not prepaid, 1 lb. 25c, 5 lbs. \$1.00, 10 lbs. \$1.75.

CARCO FOR ROOT MAGGOTS: Page 8.

TOMATO DUST—(in special pump-gun package). A new dust product for controlling blight as well as insects preying on tomatoes. Also effective on leaf chewing insects and blight on potatoes, cucumbers, beans, cabbage, roses, asters, etc. New 1-lb. pump-gun pkg. (for easy application): 60c, postpaid.

PYROCID DUST NO. 10—The newest dust insecticide for control of squash and melon bugs—cabbage and cucumber beetles. Non-poisonous, yet powerful. Also effective control for aphids, beetles, leafhopper and chewing insects. 1 lb. 40c, ppd., 5 lbs. \$1.45, ppd.

NEW PYRO-CUPER DUST—A combination of Pyrocid, Lethane, and Copper to be used as a dust for controlling same garden insects as listed for pyrocid where the addition of a fungicide for blight control is also desired. New Pyro-Cuper is an excellent insecticide and fungicide combination for cabbage and melons. Price: 1 lb. bag 45c, 5 lbs. \$1.65, ppd.—Not ppd., 25 lbs. \$5.00.

B-B DUST (Bug & Blight Dust)—B-B Dust is a general purpose insecticide and fungicide combination for general garden use. It contains a contact insecticide for sucking insects, a stomach poison for chewing insects, and copper for blight control. This dust is particularly recommended for use on home gardens where it is not practical to select individual insecticides for specific uses. Price: 1 lb. bag 45c, 5 lbs. \$1.65, ppd.—Not ppd., 25 lbs. \$5.00.



RED RIVER POTATO MIX—Dust or Spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage. Get top prices for your harvest. Price: 1-lb. bag 44c, 4-lb. bag \$1.23, prepaid to 3rd zone.

— DEPENDABLE SPRAYERS AND DUSTERS —

Continuous SPRAYER

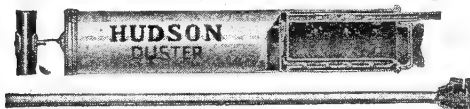
Adjustable Dual Nozzle—Sprays Ahead or Up

This sturdy garden sprayer delivers a continuous spray of any desired density, from the finest mist to a solid stream. Double nozzle sprays ahead or up—for under-leaf spraying. Ideal for applying insecticides, disinfectants and fly sprays.

No. 432 Mercury with 1 qt. tin tank—postpaid for only 95¢ ppd.
No. 435 Cardinal with 3 qt. galvanized steel tank (shown above). Write for price.

No. 766 NEW ADMIRAL DUST GUN

Applies insecticide in fine dust or heavy cloud. Powder can't enter pump chamber. 24-inch extension has adjustable nozzle for straight or angle discharge. Ideal over-and-under-leaf coverage.



\$1.40 ppd.

No. 666. NEW MAJOR DUSTER for Cyanogas or Insecticides



This inexpensive duster can be used for Cyanogas and should last several seasons.

Price: No. 666 Major Duster with two 12-in. extensions, two nozzles, and including 12-inch heavy rubber hose extension for proper Cyanogas application. \$1.35 ppd.

COMPRESSED AIR SPRAYERS

NO. 192 LEADER—(3 1/2 gallon). A large capacity, high pressure sprayer with malleable screw cap and convenient funnel top. Galvanized steel tank, seams riveted and soldered. Tested at 100 lbs. pressure. Heavy duty pump cannot be removed before pressure is exhausted. Automatic shut-off valve locks open for continuous spraying.

NO. 210 PERFECTION—(4 gallon). Big 6-inch top opening insures easy filling, emptying or cleaning.

NO. 235 CLIMAX—(3 1/2 gallon). Pump seals into tank by steel locking fingers controlled by pump handle.

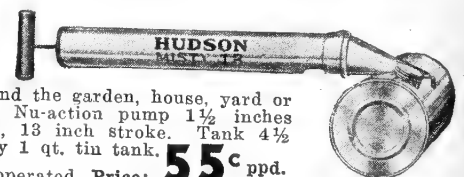
NO. 241 CLIMAX JR.—(2 1/2 gallon). A light weight, small capacity sprayer with a wide opening.

PRICES on above SPRAYERS: As we go to press, our quota of these sprayers is promised soon, but not yet received. So write for prices and name your first, second and third choice.



NO. 452 MISTY SPRAYER

A favorite for use around the garden, house, yard or poultry house. Patented Nu-action pump 1 1/2 inches diameter, 17 inch overall, 13 inch stroke. Tank 4 1/2 inches diameter. Capacity 1 qt. tin tank. A handy sprayer, easily operated. Price: 55¢ ppd.



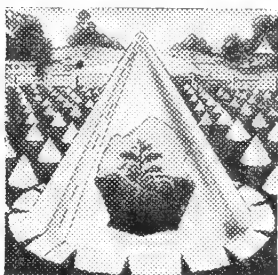
Hotkaps Protect Your Garden!



HOTKAPS are waxed paper cones, easily set out over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain a perfect mulch. Yield is increased and hastened. Flowers and vegetables mature two to three weeks earlier.

"HOME PACKAGE" HOTKAPS

	Prepaid to 3rd Zone	Not Prepaid
25 Hotkaps and cardboard setter.....	\$0.60	\$0.50
100 Hotkaps with fibre-board setter.....	2.25	2.00
250 Hotkaps with fibre-board setter.....	3.85	3.50
HOTKAPS ONLY		
Steel Hotkap Setter, \$1.60, prepaid. Tamper, 25c, prepaid.	100 Hotkaps. \$ 2.00	\$ 1.75
Fibre-board Garden Setter, each	250 Hotkaps. 3.50	3.35
20c, prepaid.	500 Hotkaps. 6.25	5.90
Weights: 100 Hotkaps, 5 lbs.;	1,000 Hotkaps. 11.35	10.50
250, 9 lbs.; 1,000, 28 lbs.		



Paxton Hot Houses

Here is crop insurance every grower needs. Hot Houses force growth of plants to bring them on the market two to four weeks earlier than normally. Early crops bring the greatest return.

Hot Houses are new, improved, strong, sturdy, and wire reinforced to withstand extremes of weather. They allow maximum growth. Size 12 inches in diameter and 11 inches in height. Temperature inside of Hot Houses is from 10 to 20 degrees warmer than outside and heat is retained for a long period after outside temperature lowers.

Faster Setting—One man can set 300 to 350 per hour. Get special folder and instructions for setting. Order early.

Packed 50 per carton (with cardboard setter) for \$1.25. 100 for \$2.35, 250 for \$4.00.

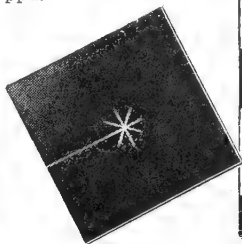
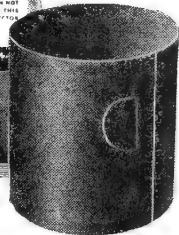
\$5.25. ppd. Not prepaid: 500 for \$9.50, 1,000 for \$18.75. Metal Setter \$2.00. (Wt., 40 lbs. per 1,000.)

Cabbage Maggot Protectors

A repellent and barrier that really protects your plants from cabbage maggots. 24 for 20c, ppd.

Cutworm Protector

Save your tomato and other plants this easy way. 12 for 15c; 50 for 35c, ppd.



Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants—Tomatoes, Cabbage, Cauliflower, Pepper, Egg Plant, etc. Not recommended for Strawberry Plants.

Each plant is set, watered and covered in one operation, without any stooping or lame backs. Cuts labor to one-third. With the Masters Rapid Plant Setter, one man will set 8,000 to 15,000 plants per day—this is more than three men can do by hand.

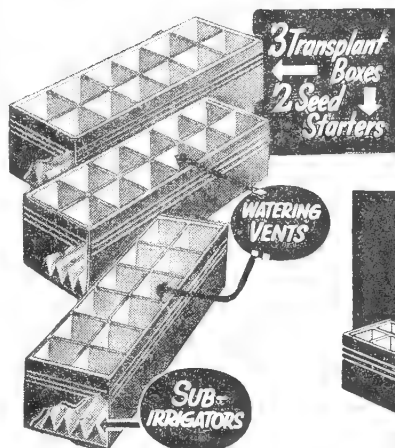
Does Perfect Work.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is "Nature's Own Way." Transplanting losses are reduced to the minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once.

Thousands are in use—they are guaranteed to satisfy you fully or money back. This Setter will pay for itself within the first week of use. Price: \$5.60, prepaid to 3rd zone (300 miles). Weighs 7 lbs.



Seed Starter & Transplant Kit



with **MICA-GRO**

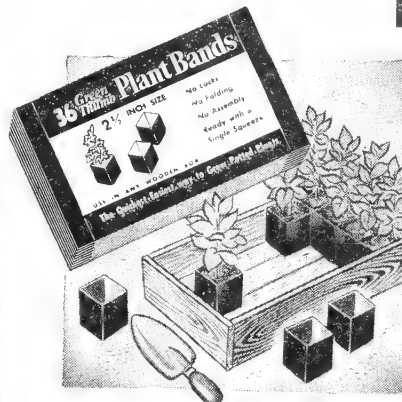
—the amazing new sterilized seed-starting medium!



2 SEED STARTERS
CAPACITY 5 TO 10 DOZ. SEEDLINGS

It pays to start your seeds indoors, and here's complete equipment for growing healthy seedlings and sturdy transplants—ready for the garden when wanted! Features include slender, "fit-the-window-sill" design, controlled watering from the bottom, more rugged, water-tight, mold-proof construction and generous fill of MICA-GRO, the new and better seed starting medium. Complete kit has 1 pkg. Mica-Gro, 2 seed starter boxes, 3 green transplant boxes for 33 potted plants, complete plant-growing instructions and 2 pkts. seed, (tomato & cabbage). All for \$1.10, postpaid.

Plant Bands



These square, open-bottom, plant bands are ideal for growing potted plants. They can be used in any shallow wooden box or greenhouse flat. Made of water-proof, mold-resistant fibre, compatible to plant growth. No locks, no folding, no assembly—ready with a single squeeze!

Pkg. of 50 Bands 1 3/4" square, 2 1/2" high, 30c, postpaid; 20 pkgs. (1,000 bands, weight, 18 lbs.) for \$3.25, not ppd.

Pkg. of 36 Bands 2 1/2" square, 3" high, 30c, postpaid; 28 pkgs. (1,000 bands, weight, 28 lbs.) for \$3.85, not ppd.

Neponset Flower Pots

Adapted for growing, transplanting or shipping. Made of tough, waterproof green paper, eliminating breakage. Permits speed in handling and more economical than clay pots. Used by the best gardeners everywhere. The green pots are somewhat heavier for frequent handling. Weight 4 in., 52 lbs. per 1000.

NEPONSET GREEN POTS

	25	100	1,000
PRICES:	Prepaid	Prepaid	Not Prepaid
2 1/2-inch, green..	\$0.35	\$0.90	\$6.75
3-inch, green..	.35	1.10	7.60
3 1/2-inch, green..	.45	1.35	9.50
4-inch, green..	.50	1.45	10.75
5-inch, green..	.60	1.90	15.25

NEPONSET RED POTS

Not quite as heavy as the green—will stand up under reasonable moisture for several weeks. Used extensively for transplanting and shipping. Reinforced disc in bottom.

	25	100	1,000	Weight
PRICES:	Prepaid	Prepaid	Not Prepaid	Per 1,000
3-inch pots	\$0.35	\$0.85	\$5.60	24 lbs.
3 1/2-inch pots .....	.35	.95	6.50	30 lbs.
4-inch pots .....	.40	1.15	7.60	38 lbs.
5-inch pots .....	.50	1.50	10.00	62 lbs.



American Berry Baskets

At the time of printing this catalog, satisfactory arrangements for offering berry baskets and crates could not be made. Write us a few weeks before you will be needing Berry Baskets, and we hope at that time to be able to supply the quart baskets. So write us in spring.

Newest Miracle-Working Chemicals For Your Garden!

TRANSPLANTONE



Amazing new HORMONE-Vitamin stimulant "does things" to more plants than B1 alone! Mix with water—apply to soil. Makes better lawn turf, plants, tree and seedling roots. Unbelievable results transplanting VEGETABLES — tomatoes start quickly — no wilting or setback. 50% more yield reported. 1 oz. makes 10 gallons transplant solution or 1,000 gals. watering solution. Free folder on request. 1/2-oz. pkt., postpaid, 25c. 3-oz. can, postpaid, \$1.00. 1-lb. can, \$4.00 ppd.

ROOTONE



Hormone Wonder Powder for seeds, cuttings, bulbs. Luxurious lawns, 2 weeks earlier—bigger, earlier flowers, garden crops! Seeds dusted with Rootone germinate faster, root deeper, make stronger, healthier seedlings. Cuttings dipped in Rootone speedily develop surprising roots. Free booklet on request. Trial pkg. 25c. 2-oz. jar (treats 20 lbs. lawn seed) \$1.00. Pound \$5.00, ppd.

FRUITONE



The Hormone Spray—stops pre-harvest drop of apples and fruits—hastens maturity and increases set. Will keep leaves and berries on shrubs and trees longer, and insures better setting of fruit. Aids pollination of flowers—keeps needles from falling off Christmas trees, or berries from holly wreaths.

Full directions with each package—be sure to try this modern miracle. Trial pkg. 25c.

2-oz. can makes 25 gals. spray, \$1.00. 12-oz. can makes 150 gals. spray, \$5.00.

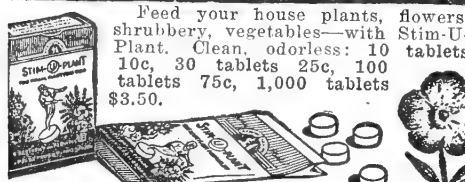


MAGIC GREEN FINGERS

Pkg. of 36 for 25c ppd.

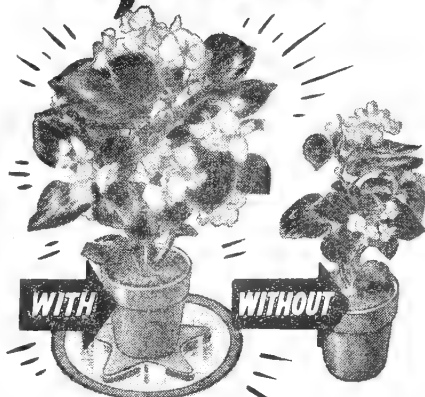
Simply push Magic Green Finger into soil of potted plants, window box, or garden plants—and watch improved growth and beauty! Easiest way to apply Vitamin B1. Each Green Finger provides an average plant with B1 stimulant for 1 month! Attractive, colorful pkg. of 36 Magic Green Fingers. Price ppd.: 25c.

STIM-U-PLANT



Feed your house plants, flowers, shrubbery, vegetables—with Stim-U-Plant. Clean, odorless: 10 tablets 10c, 30 tablets 25c, 100 tablets 75c, 1,000 tablets \$3.50.

MysticMat



Provides greenhouse conditions—keeping pot walls moist while not over-watering the plant. Results are amazing—greater growth, stronger, healthier plants and many more blossoms.

In greenhouses, clay pot walls are always damp. Without the Mystic Mat, the dry air of heated houses dries out the pot walls, damaging root ends and setting back the plant.

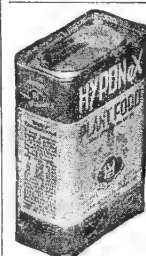
Pkg. of 2 Mystic Mats, 5 1/2-in. size (for 5 or 6-in. pots) 15c ppd.

Pkg. of 3 Mystic Mats, 3 1/2-in. size (for 2 to 4-in. pots, or for one 7-in. pot) 15c ppd.



Makes your Cut Flowers Live Longer

Retards wilting—keeps color and fragrance much longer even in steam-heated rooms. No need to change water or recut stems. Liberal package 3 pkts. 25c ppd.



Like Giving "PLASMA" to your plants!

WHEN YOU WATER —

- Seedlings ● House Plants
- Transplants ● Lawns

...FEED THEM

Give them Hyponex-and-water, a complete plant food that grows all kinds of vegetation in sand, soil or cinders. You will have stronger, bigger plants; more and larger flowers. Hyponex is a dry, odorless powder. One teaspoonful makes a gallon of plant food. Highly concentrated. Clean—safe—odorless. Easy to handle, will not burn foliage. Contains vitamin B1.

Ideal for Garden and House Plants and for SOILLESS GARDENING

Complete directions in each pkg. A COMPLETE BALANCED PLANT FOOD Pre-War Formula: 7-6-19 VITAMIN ADDED

PRICES: Trial pkt.10c
3 oz. can (makes 18 gal.)...25c
1 lb. can (makes 100 gal.)...\$1

HYPONEX PLANT FOOD

For GARDEN and LAWN Fertilizer—See page 73.



New Liquid SOILTEST Set

(Designed by Prof. Spurway of Mich. State College)

The new ALKEMI Liquid Soil Test Outfit enables you to make more than 200 tests for Grasses, Trees, Flowers, Shrubs, Vegetables, House Plants or Seedlings. Tests are made in 5 seconds!

Soil reaction color chart contains seven color changes, indicating degrees of acidity and alkalinity. Soil adjustment chart gives corrective soil treatment. Soil test guide lists over 1,000 types of grass, trees, shrubs, flowers, vegetables and fruits, indicating correct soil type for each. Packed in colorful box arranged like a miniature laboratory. Complete outfit, postpaid for \$1.25.

Make Your Own FERTILIZER

from Grass Clippings, Leaves, Garbage and Other Waste Materials



Bacto is a real money-saver. Buy 5 pounds or more, for economy.

"BACTO"—a bacterial composition will transform waste materials into valuable fertilizer in a few weeks, at a cost of only a few cents. Just sprinkle Bacto on compost leaves, grass clippings, kitchen waste, and make it into rich humus that builds soil like manure.

Bacto stops odor and is of great value for out-door toilets, if sprinkled periodically in toilet vault; it will reduce odor and fly nuisance. Full directions for use with each package. Circular free. Price: 4-oz. pkg. 40c, 5-lb. bag \$1.80, postpaid.—Not prepaid: 25-lb. bag \$5.00.

NEW HARCO SPRAYER

Professional type, easy-to-use, and down-to-earth price! Performs like expensive compressed air types, without bulky weight, bothersome cleaning! A squeeze of the hand delivers penetrating spray onto tops of tall shrubs, undersides of small plants. Extension rod gets hard-to-reach places. Sprays up, down, sideways, without adjustment. Surprisingly efficient. Durable pump resists corrosion—lasts for years. Keep different sprays in different jars! It's easy to switch from one garden spray to another or to household fly spray. Postpd.:



\$2.35

NEW HEALTH FOODS FROM FARM PRODUCTS



Superior Wheat Germ

Ready to Eat

Rich in Vitamins A, B, E, G and Organic Minerals—High in Protein and Wheat Germ Oil—Low in Starch

A general tonic food which tends to create new energy, revitalizes tissues and glands, builds up general health, physical and mental.

Processed to eliminate the toxic effect of raw wheat germ, preserving vitamins and minerals, preventing rancidity.

Take 1 to 5 tablespoonfuls daily—see what it will do for you. Delicious over cereal, fruit, or alone with milk or cream—sweetened with honey or maple syrup. A definite, perhaps sensational improvement in health, vitality and energy may result.

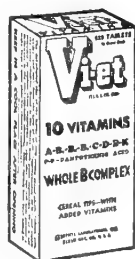
Price: One lb. 50c, three lbs. \$1.30, prepaid.

Vee-Mor (For Those On A Restricted Diet)

VEE-MOR is an efficient diet supplement, designed particularly for use in restricted diets. That it is efficient is evidenced by the fact that in the suggested daily dosage of Vee-Mor—two tablespoonfuls twice a day—there is supplied the minimum daily requirements of vitamins A, B, and D—50 per cent of vitamin B2—100 per cent of calcium—60 per cent of phosphorus.

Vee-Mor supplants one or two light meals a day if it is taken with fruit juice, skim milk or any other desirable liquid. The body is amply supplied with essentials and the possibility of attending nutritional disturbances is minimized. Once you start Vee-Mor, you will be agreeably surprised how it helps you observe the restrictions on unwanted food. You will probably notice a pick-up in energy and well-being—and watch fat vanish.

Price: 8-oz. Trial Size \$1.60; 18-oz. Economy Size \$3.00, ppd. Circular sent free.



GRASS Newest Food! for Man

The amazing new product recent magazines describe. Scientists found certain grass leaves properly processed, contained ALL known VITAMINS essential to human diet. NOW in one tablet: Vitamins A, B1, B6, C, D, E, G, K! This invaluable food helps prevent colds, constipation—builds health. A necessity for some—protection for all. FREE, detailed folder. Supplies vitamins, without calories, to those on reducing diets. 225 Vi-et tablets (month's supply), ppd., \$1.50. (Also called "Vigras.")

DITEX LAX FOR DIABETICS

A bulk laxative prepared especially for those on a starch and sugar restricted diet. This product is completely free from irritating roughage—contains Psyllium, Karaya and Brewer's Yeast. It is free from starch, and a dependable laxative for anyone to take. DiteX Lax has been carefully tested, and is the result of long months of experimentation. Order this with a money-back guarantee if not satisfactory. Price: 4½-ounce bottle \$1.10, prepaid.



Garlic, Parsley (With Honey)

Of great medicinal value in treatment of acidity, high blood pressure, pneumonia, colds, coughs and kidney trouble. Get circular. Take teaspoonful daily. 4-oz. bottle \$1.00, 3 bottles, \$2.75, prepaid.

NEW! GARLIC & PARSLEY in Odorless—Tasteless Capsules

Get benefits described above in this pleasant, tasteless way. Each capsule contains concentrated clean fresh parsley and peeled garlic (moisture removed)—suspended in cold pressed Wheat Germ Oil. Suggested usage: 1 capsule before each meal. 70 capsules (3 to 4 weeks' supply), only \$1.00, postpaid.

JUST OUT — NOW DEHYDRATE YOUR GARDEN CROPS

In Your own RANGE OVEN



The newest, simple, inexpensive equipment—makes a perfect dehydrator out of any range oven.

The ESTATE OVEN DEHYDRATING KIT consists of two wooden frames, one for each oven rack,

two drying cloths, ten protective containers for storing the dried foods, complete book of instructions.

No other equipment needed to "put up" fruits and vegetables this new, easy way. No sugar. No muss or fuss. No disappointments. **\$1.35 Ppd.** Complete kit, with instruction book..... EXTRA Containers—For dehydrating or freezing. 40c doz., ppd.

RITAMINE CAPSULES

Gives you the benefit of all the known needed VITAMINS and all the essential MINERALS found in hundreds of pounds of fresh vegetables, fruits, milk and other foods.

What are Vitamins? How much of each do you need? How can you be sure of getting all essential minerals along with the Vitamins? All important questions are answered in a special folder sent FREE on request.

Two tiny Ritamine Capsules daily provide the all important Vitamins A, B1, C, D, E, G, and 10 Minerals without the calories. Trial Box \$1.10—35-Day Size \$3.00, ppd.



—HEALTH-GIVING SOY BEAN PRODUCTS—

DRINK



BEVASOY COFFEE SUBSTITUTE

New Alkaline Coffee Substitute. Delicious beverage made from soybeans—skillfully toasted and blended. Use like coffee. Contains no caffeine—does not cause sleepless nights nor irritate nerves or kidneys. All may enjoy it without harmful effects. Pound makes 100 cups. 1 lb. 40c, prepaid.

Roasted Soy Nuts—FOR YOUNG AND OLD

The most delicious product of the Soy Bean. Highly nutritious, though practically non-fattening. High in calcium, phosphorus, iron and minerals. Has an alkaline effect—negligible in starch—easy to digest—an excellent food for young or old. Helps build strong bones, sound teeth and firm muscles—exceptionally good for children and a fine party treat. Price: 12-oz. pkg. 33c, 4 pkgs. for \$1.15, prepaid.

Pure Soy Bean Lecithin

An organic food of phosphorous compounds necessary for life and credited with increasing red corpuscles and haemoglobin of the blood. Considered a tonic in combating anemia and chlorosis. Ordinary diets contain too little of this necessary element. An insufficient supply results in lassitude—no pep—nervousness—insomnia and a half-alive feeling. Lecithin is helpful in stimulating mental effort, will power and in the growth of children, as well as quicker recovery of the sick. Box of 70 four-grain Lecithin capsules—use one or two per day—price \$1.00, ppd. Not available until Feb.

Soy Grits (Meat Cracks)

Alkaline Cereal and Meat Substitute made entirely from soy beans. Soy Grits are gently steamed, ready to eat as a cereal. Rich in protein, low in starch. Fine for serving with Wheat Germ, using one tablespoonful of Soy Grits with two or three tablespoonfuls Superior Wheat Germ, with milk or cream, fruit or cereal. Useful in diabetic diets.

May also be combined with other ingredients ordinarily used in making meat loaf or patties, omitting the meat. Price: 1 lb. 35c, 3 lbs. for 90c, prepaid.

Soy Flour

Soy Flour is rapidly becoming a household necessity, owing to its exceptional nutritional value in home baking. Our flour is high in fat—we do not offer any low fat flour usually sold at cheaper prices.

It is the oil of the Soy Bean, rich in lecithin, that makes baked goods creamy, requires less eggs—and enhances the rich flavor of your baked products. Ask for our special folder describing the many recipes and tasty menus prepared from Soy Bean products—it's free.

Price: 16-oz. pkg. Soy Flour 35c, ppd. Not ppd., 5 lbs. for \$1.40.

Soy Milk Powder

Most alkaline and digestible of all protein foods—free from starch. Excellent source of vitamins A, B, D, E, G; phosphorus, calcium and iron. Of special value in diabetic and low carbohydrate diets, stomach ulcers, colitis, etc. Builds endurance. 1 lb. 45c; 3 lbs., \$1.10, ppd.

Vegetable Soy Beans for Cooking & Baking—on Page 4.

Soyanese Beans

for Sprouting in the Kitchen



Leading magazines throughout the nation have proclaimed the food value and lauded the tasty new dishes that may be prepared from sprouted Soy Beans. Really, you have a new fresh vegetable that may be grown in your own kitchen, and is ready to serve in five days. It requires neither soil nor sunshine—it rivals tomatoes in Vitamin C—does not produce intestinal gases, and can be cooked as quickly as a pork chop.

Here is the cheapest of all foods, rich in Vitamin C, Calcium, Thiamin, Niacin. Prepare dozens of delightful new dishes from sprouted Soy Beans.

SOYANESE BEAN SPROUTING OUTFIT

A complete outfit that includes what you need to grow delicious sprouts in your kitchen! You get all this: Soyanese Sprouting Beans—to make 6 to 8 qts. of sprouted beans, Vent Cover for sprouting jar (fruit jar not included), Light-proof Hood for sprouting jar, Pkt. Chlorinated Lime, Folder containing full directions and many appetizing recipes. Also included, a new 48-page illustrated booklet describing all methods of Home Canning, Quick Freezing, Dehydrating and Winter Storage of vegetables.

Complete Sprouting Outfit, postpaid, for \$1.00. Sprouting Beans only, 25c per lb., 5 lbs. \$1.00, ppd.

Important

Keep a copy of your order and check it when it arrives.

Write your name and address plainly.

Sending money. Postoffice money orders, bank drafts or express money orders are always safe. We prefer not to receive stamps. Never send cash in a letter unless registered. Doing so will be at your own risk.

Please do not send checks under \$1.00—send cash instead—carefully wrapped. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

Our Guarantee

We sell dependable, carefully tested seeds. Should failure result from the fault of the seeds we will refund your money.

Seeds, trees, bulbs and plants are subject to climatic conditions over which we have no control. Therefore, we will not be responsible for the crop, or for more than the price paid. In case of error prompt adjustments will be made.

Parcel Post Rates

Packages weighing 70 pounds can be sent to all zones. Ten pounds or more beyond the 5th zone usually go cheaper by express.

Zone	Distance up to	For First Pound	Each Additional
1st & 2nd	150 miles	9c	1c
3rd	150- 300 miles	10c	2c
4th	300- 600 miles	11c	4c
5th	600-1,000 miles	12c	6c
6th	1,000-1,400 miles	13c	7c
7th	1,400-1,800 miles	15c	9c
8th	over 1,800 miles	16c	11c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

FREIGHT AND EXPRESS SHIPMENTS. State whether you want freight or express shipment made. If yours is a prepaid station, full transportation charges must be sent with the order.

Perishable Items

POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK are shipped when weather conditions permit, and customers are then notified of shipments. Should a shipment reach you in bad condition, notify us at once. Have agent make notations on your receipt. If yours is a prepaid station, full transportation charges must be sent with the order.

C. O. D. Service

For your convenience we offer to ship garden seeds, flower seeds, or light weight shipments C. O. D. Simply pay the postman or express company the amount due, on delivery, plus a small charge for returning the remittance. For prompt service send full remittance with order.

BEFORE MAILING—LOOK AGAIN— Does the amount of your remittance correspond with the amount of your order? Have you signed the order and is your name and address on the envelope? Then be sure to seal the envelope.

Help us to correct our mailing list.

If you received more than one catalog—or if several members of your family received one or more catalogs—will you please tell us what names or initials they were addressed to, and give correct name or initials of the head of your family? A post card will do. For your trouble, we will send flower seed novelties.

Free flower seed novelties in exchange.

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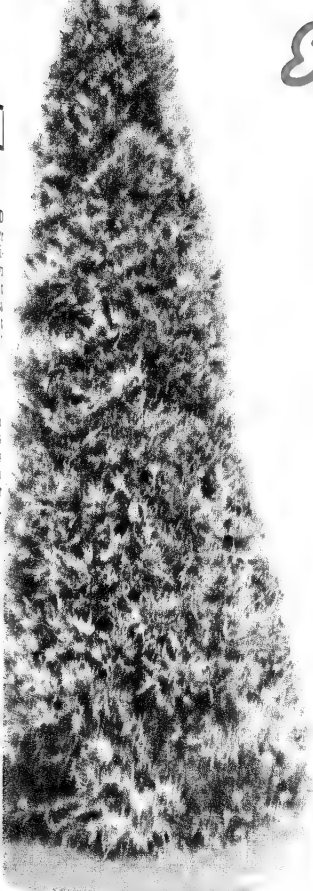
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Evergreens for Year 'round Beauty!

No Priority Restrictions on These Improvements!

You can still improve your property with these modern Entrance and Corner plantings in stately, graceful evergreens. They enhance appearance and value of your home many times their cost. Enjoy their beauty winter and summer.

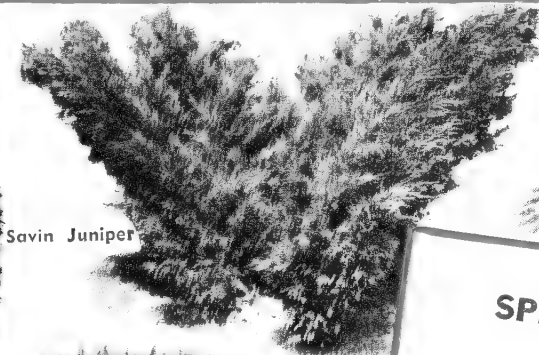
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Arbor
Vitae



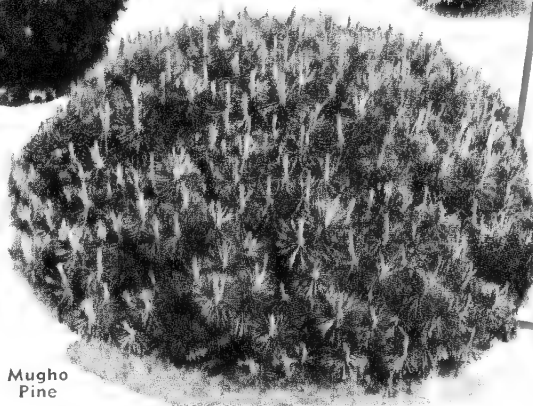
Silver Cedar



Savin Juniper



Pfitzer Juniper



Mugho
Pine

MODERN CORNER PLANTING

- (A)—1 Silver Cedar 24-30 in. - \$2.95 each
(B)—1 Mugho Pine 10-12 in. - 1.65 each
(C)—3 Savin Junipers 12-15 in. - 1.95 each
(D)—1 Pfitzer Juniper 12-15 in. - 1.95 each

ALL 6 TREES { in Junior sizes above
VALUE \$12.40
By Exp. not ppd. } **ONLY \$10.55**

ALL 6 TREES { Master Sizes—(roots pud-
dled and individually
wrapped) (Cedar 2-3';
Pine and Junipers 15-18")
VALUE \$20.99 } **ONLY \$18.15**
By Exp. Not ppd.

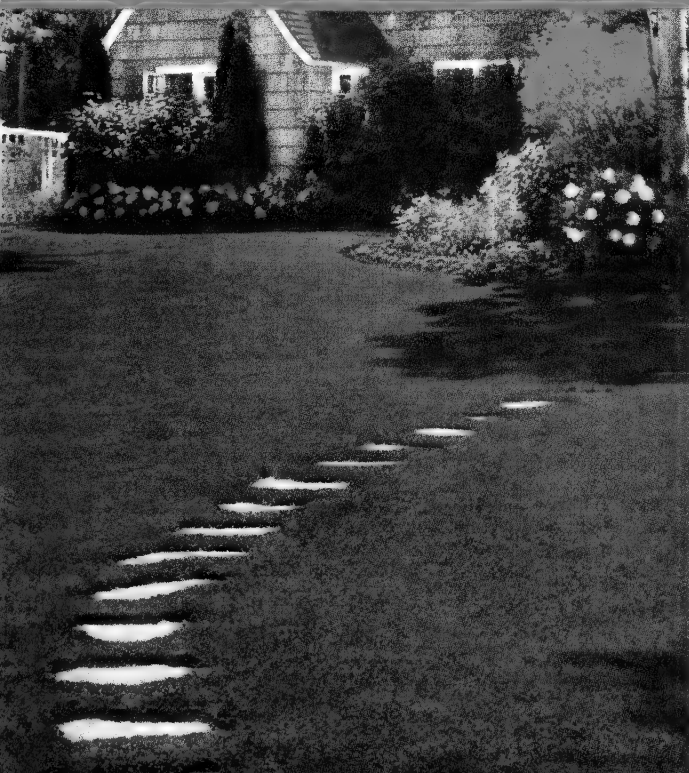
SPECIAL DOORWAY GROUP

- (X)—2 Pyramidal Arborvitae - 18-24 in. - \$1.75 each
(Y)—2 Pfitzer Junipers - 12-15 in. - 1.95 each
(Z)—2 Savin Junipers - 12-15 in. - 1.95 each

ALL 6 TREES { in Junior sizes above
VALUE \$11.30
By Exp. not ppd. } **ONLY \$9.65**

ALL 6 TREES { Master Sizes—(roots pud-
dled and individually
wrapped) (Arbor V. 2-3';
Junipers 15-18")
VALUE \$20.10
By Exp. not ppd. } **ONLY \$17.35**

OTHER SIZES AND
SPRUCE LAWN TREES
on page 36



Quality Lawn Seed

1 POUND OF SEED
WILL SOW 250 SQ.
FEET OF LAWN.

30 DAY MIXTURE

45c LB PPD

A mixture of finest quick growing and permanent grasses—will establish a luxurious lawn in 30 to 40 days under normal conditions. Contains Kentucky Blue Grass—White Dutch Clover—Rye Grass and Red Top. Price: 1 lb. 45c, 5 lbs. \$2.00, prepaid—Not prepaid, 25 lbs. \$9.25, 100 lbs. \$36.25.

SHADY NOOK MIXTURE

60c LB PPD

Hardy grasses that thrive in shady places—ideal for patching up lawns, filling in barren places under trees, and on north side of house. Price: 1 lb. 60c, 5 lbs. \$2.75, prepaid. Not prepaid, 25 lbs. \$12.00.

FREE LAWN BOOKLET

Tells how to build and maintain a new lawn—rejuvenate old or worn out lawn—how to establish a Bent Lawn—also lawn care and treatment. It's free with your order—ask for it.

GARDEN CITY GRASS

55c LB PPD

Popular quality mixture for general use. Contains choicest grasses, roots deeply and withstands severe drought. Consists of 50% Kentucky Blue Grass—balance, Red Top, Rye Grass, and White Clover. Price: 1 lb. 55c, 5 lbs. \$2.50, prepaid—Not prepaid, 25 lbs. \$10.20, 100 lbs. \$40.25.

CREEPING BENT GRASS

\$1.10 LB PPD

Makes fine, dense turf. Ideal for terraces and putting greens. Makes compact sod, due to its spreading habit—eventually crowding out other grasses. Price: 1 lb. \$1.10, 5 lbs. \$5.00, prepaid.

WHITE LAWN CLOVER

\$1.20 LB PPD

Makes a close, compact growth—covering the ground like a carpet. Grows quickly, producing small white flowers, thrives in sandy soil where other grasses fail. Price: ½ lb. 65c, 1 lb. \$1.20, 5 lbs. \$5.50, prepaid.

ROOTONE WONDER POWDER—Lawns 2 weeks earlier

Faster germination—deeper roots—healthier seedlings and luxurious lawns result from dusting grass seed with Hormone Powder. Inexpensive and simple to use. Pkt. to treat up to 2 to 3 lbs. of seed, 25c—2 oz. to treat 20 lbs. lawn seed, \$1.00 ppd.



U. of MINN. SUPER 'MUMS

- 1 **PURPLE STAR:** New, distinct star shape, double. Earliest blooms of all (early Aug).
- 2 **RED GOLD:** Striking bronzy-scarlet to Brazil red—2 in. blooms from mid August on.
- 3 **CHIPPEWA:** Very showy, incurved aster-like, 4 in. flowers from August 20 on.

*Mums listed above: 75c each, 3 plants \$2.00 ppd.

U. OF MINN. STANDARD 'MUMS

- 4 **BOREAS:** Gleaming white, double 2 in. blooms by mid August. Ideal for cutting.
- 5 **DULUTH:** Brilliant, lemon-chrome, semi-double 2 in. blooms, late July or early Aug.
- 6 **HARMONY:** Changes from bright yellow in Aug. to strawberry pink, then deep Brazil red.

*Mums listed above: 40c each, 3 plants \$1.00 ppd.

U. OF CHICAGO 'MUMS

- 7 **BARBARA SMALL:** Beautiful pinkish-lavender, 3 in. double blooms from mid Sept. on.
- 8 **ROBERT BRYDON:** Deep garnet red, dome-shaped, 2½ in. blooms from early Sept. on.
- 9 **HARBINGER:** Large, double, primrose yellow blooms from late August on.

*Mums listed above: 50c each, 3 plants \$1.35 ppd.



14 'MUMS

(one of each shown on this page)

(VALUE \$6.10)

ONLY \$4.95
ppd.

NEW NOVELTY 'MUMS

- 10 **DAHLIA MUM:** Distinct, odd-shaped, wine colored, 3 in. blooms, resembling dahlias, from early Sept. on. Most unusual.
- 11 **ORCHID SPOON:** Quaint, dainty, new type. Delicate lavender-pink petals of tubular form, flattened at tips like miniature spoons.

Novelty 'Mums: 40c each, 2 plants 75c ppd.

U. S. DEPT. OF AGRI. 'MUMS

- 12 **ALGONQUIN:** Radiant yellow, 2½ in. blooms from late Aug. on.
- 13 **POHATCONG:** Lovely, deep pink, 3½ in. blooms from early Sept. on.
- 14 **GERONIMO:** Glowing bronze, 3 in. double blooms from early Aug. on.

U. S. D. A. 'Mums: 40c each, 3 plants \$1.00 ppd.

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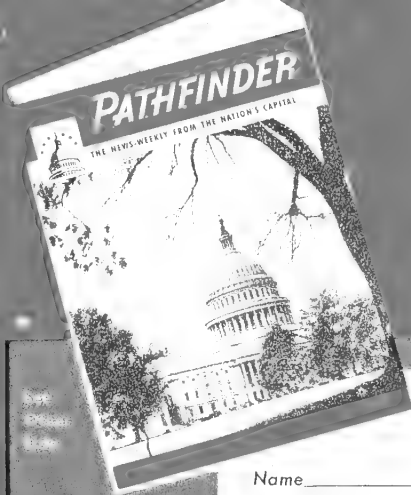
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New and Novel Vegetables of Merit

OAK LEAF LETTUCE

(No. 324) A novel salad Lettuce, delicate in texture and of superb quality. Shaped like an oak leaf, of appetizing, cool light green color. Rich in vitamins, tender and of superior flavor. Oak Leaf Lettuce is heat-resistant and stands up well in summer weather, retaining its fine quality and never turning bitter.

Pkt. 10c, oz. 30c, $\frac{1}{2}$ lb. \$1.00, prepaid. (page 13)

SummerLongBROCCOLI

(No. 80) This delicious, easy-to-grow vegetable should be in every garden. 25 plants supplied a Minnesota family almost daily from July 1 through late November! It's delicate flavor is relished even by those who dislike Cauliflower. Rich in vitamins. Survive hot weather. After main head is cut, many small heads continue to develop until severe frost. Soaking heads in salt water before cooking removes all insects.

Pkt. 10c, $\frac{1}{2}$ oz. 25c, oz. 40c, Ppd. (pg. 6)

TAMPALA

(No. 590) A tasty new "three-in-one" vegetable that every Victory Gardener will want to grow. The smooth, tender rich green leaves cook in 5 minutes and make delicious greens of much better flavor than spinach! Tampala stems too, are very tender and after removing the leaves may be cooked and served like asparagus. The tender young leaves, cut finely, make a refreshing salad. A real "cut-and-come-again" vigorous grower—ready to cut 6 weeks after planting.

Pkt. 15c, prepaid. (page 22)

MINHYBRID POP CORN

(No. 250) The last word in Pop Corn. Developed by the Minnesota Experiment Station, it far surpasses the old hullless varieties. Records show a 16% greater yield per acre, and a 29% greater popping volume. Hybrid Hullless is the finest Pop Corn obtainable from a standpoint of quality, flavor, and tenderness.

Pkt. 10c, $\frac{1}{2}$ lb. 18c, $\frac{1}{2}$ lb. 30c, lb. 50c, prepaid. (page 11)

SKYLINER TOMATO

(No. 622) This amazing Tomato grows more than 10 feet high on a trellis. Yields of 2 bushels on a single vine, reported. Produces large crimson fruits averaging 3 inches across. Solid, meaty and of excellent quality. Make your garden the "talk of the town"!

Pkt. 15c, $\frac{1}{2}$ oz. 45c, oz. 80c, Ppd. (page 25)

NEW MINCU BUSH CUCUMBER

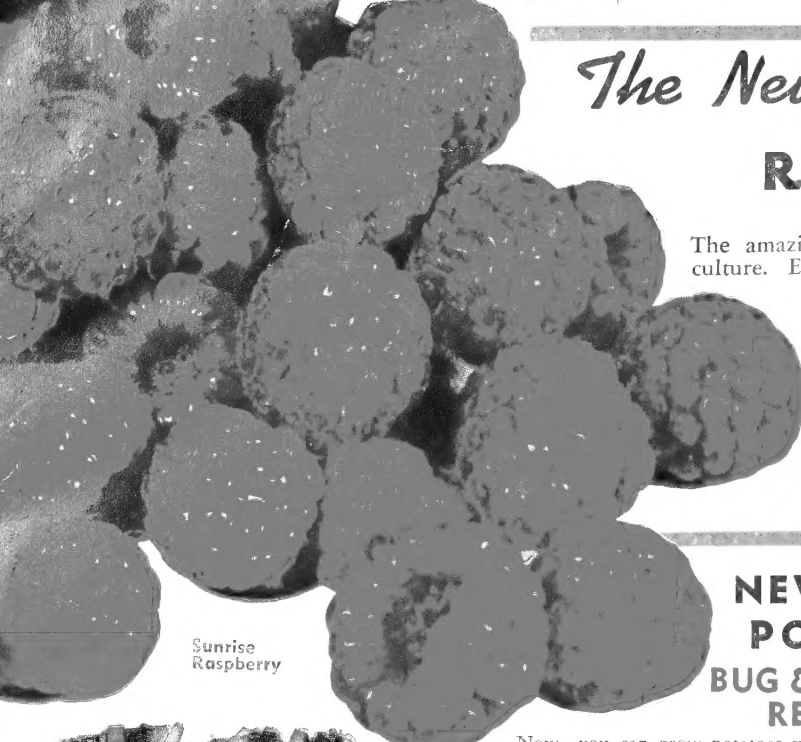
(No. 254) A Minn. Experiment Station "Cuke" especially bred for small gardens—fruits are borne in clusters within a foot of the hill. Average length $4\frac{1}{2}$ by 2 inches in diameter. Splendid for salad slicing and for pickles. A very early, heavy cropper.

Pkt. 10c, oz. 25c, $\frac{1}{2}$ lb. 85c, Ppd. (page 12)

FIRECRACKER RADISH

(No. 531) Acclaimed the finest radish grown, by hundreds of our customers. Vivid scarlet in color, long and slender in shape, with crisp white flesh, mild and fine-grained. Ready to eat very early, yet remains crisp and tender longer than any other sort.

Pkt. 10c, oz. 20c, prepaid. (page 21)



Sunrise Raspberry

The New RED RASPBERRY

Extra Early

The amazing new super-quality raspberry developed by U. S. Dept. of Agriculture. Extra early,—bears 2 weeks before Latham and over a longer picking season. Quality better than Latham, flavor and texture unsurpassed! Large, luscious, bright red, berries turn dark red when ripe,—easy to pick. Firm, fine textured, juicy, non-crumbly, of mild sub-acid flavor with most tempting raspberry aroma. Besides, Sunrise has proved hardier and more disease free than Latham! The finest of all red raspberries! (Page 31)

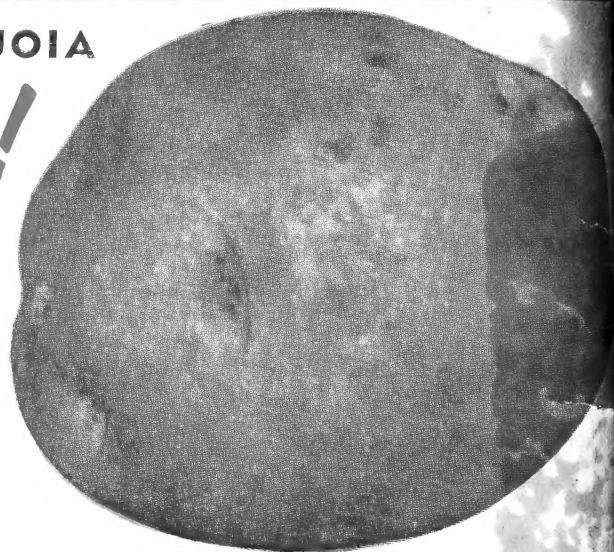
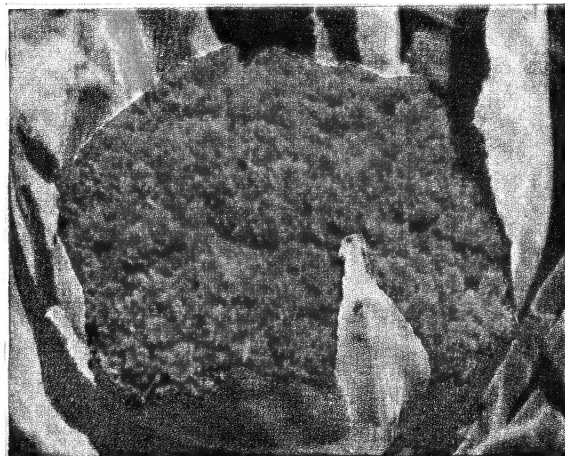
1 yr. plants postpaid:
6 for \$2.15 12 for \$3.15

2 yr. heavy plants postpaid:
6 for \$2.50 12 for \$3.65

NEW SEQUOIA POTATO BUG & BLIGHT! RESISTANT!

Now—you can grow potatoes without continual spraying! Bugs just don't relish Sequoia vines—they prefer other varieties. Besides—these vines are resistant to late blight!

A new medium-late potato developed by U.S.D.A. from a cross of Green Mountain and Katahdin. Produces very high yields, even under drought conditions. The smooth, well-shaped tubers have finest cooking quality and good market features. Plant them a little heavier than other varieties for best quality tubers. See Blue Figure Price List.



NEW PURPLE CAULIFLOWER

(No. 168)—Make your garden the talk of the neighborhood! Large, compact, heads of beautiful purple color surrounded by attractively crinkled leaves. Excellent quality,—flavor more delicate than white Cauliflower. Quick growing, sure heading, requires no tying.

Pkt. 25c. (See page 9)

Newest Rhubarb IMPROVED CHIPMAN'S CANADA RED

Sweetest and best of the new all-red rhubarbs. High sugar content—tender—of fine flavor, with extra large succulent stalks, bright red all the way through! The color even extends into mid-rib of leaf. Chipman's does not lose its bright color in cooking—it makes appetizing pies and sauce of matchless cherry-red color—AND with less sugar! A vigorous growing, extra hardy, everbearing type that never goes to seed.

Choice roots:

85c Each, 2 for \$1.65

Postpaid

SCARLET GEM *Everbearing* STRAWBERRY

The perfect "Victory garden" berry! Mammoth crops 1st year from July 'till winter. Big showy, bright red berries are firm and juicy with rich luscious flavor.

(See page 29)

25 PLANTS PREPAID \$2.15

